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REFERENCE

OF

LANDS AND FORESTS

ADMINISTRATION



DEPARTMENT OF LANDS AND FORESTS

HON, J. W. SPOONER Minister F. A. MACDOUGAU
Deputy Minister





FOREWORD

This booklet contains a statistical record of the Ontario Department of Lands and Forests and has been prepared for the convenience of the public.

The Department would appreciate notice of any errors.

NOTE

Owing to delays incidental to the accumulation of data annually in some parts of the administration the information herein quoted from the annual reports is for a preceding period.

Forest Protection and commercial fishing figures are by force of circumstance for the preceding calendar year.

The year columns denote the annual report in which the figures appeared.

Covernment P. sublications

TABLE OF CONTENTS Publications

	Page
Premiers of Ontario Commissioners and Ministers since 1827 Deputy Ministers since Confederation	3 4 5
Division of Accounts	
Division of Accounts Revenue and Expenditure. Crown Land Sales and Leases. Fish and Wildlife Cash Receipts. Parks Cash Receipts. Timber Cash Receipts.	6 7 8 9-10 11 12
Division of Fish and Wildlife	
Division of Fish and Wildlife Bounties, Wolf and Bear Classified Breeding Stock Fur Farms Revenue from Pelts, exported or tanned Value of Pelts, exported or tanned Fur Returns Prosecutions Hunting and Angling Licenses Sold Distribution of Hatchery Fish Ontario Fisheries Yield by Lakes since 1935 Commercial Fishing Equipment	21-23 24 25
Division of Forest Protection	
Division of Forest Protection. Air Service Branch. Area Burned Over. Forest Fires by Origin. Forest Fires by Detection and Size Forest Fires by Districts, 1958. Forest Fires in Ontario, 1923-1957. Major Equipment. Major Improvements. Fire Work and Travel Permits. Air Base Opening Dates Flying Time, Pilots. Flying Time, Aircraft. Air Service Summary.	30 31 32 33 34 35 36-37 38 39 40-41 42 43

TABLE OF CONTENTS—Continued

Division of Operations	PAGE
Division of Operations	45 46
Division of Parks	
Division of Parks	47-50 51 52
Personnel Section	
Personnel Section. Administrative Districts. Employment Status Junior Ranger Distribution.	53 54-67 68 69
Division of Research	
Division of Research	70
Division of Surveys	
· ·	71 72
Division of Surveys. Lands Branch. Free Grant Lands.' Agriculture Land Sales. Summer Resort Lands. Land Use Permits. Aerial Surveys.	71-73 74-75 76 77 78 79 80-81
Map Distribution	82-83
Division of Timber	
Division of Timber Licensed Areas Volume of Wood Cut Reforestation Branch Reforestation Establishments Nursery Stock Furnished. Trees Planted, Crown Lands Trees Planted, Private Lands Trees Planted on Managed Forests	84-85 86 87 88 89 90 91 92-93 94-95
Miscellaneous	
Population by Provinces. Canada's Population Record. Federal-Provincial Co-operative Agreements	96 97 98-102

Premiers of Ontario Since Confederation

	From	То
Hon. John Sandfield		
Macdonald	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat	Oct. 25, 1872	July 9, 1896
Hon. A. S. Hardy	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J. P. Whitney	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard		
Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury	Nov. 14, 1919	July 16, 1923
Hon. G. H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G. S. Henry	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn	July 10, 1934	Aug. 21, 1942
Hon. G. D. Conant	Oct. 21, 1942	May 18, 1943
Hon. H. C. Nixon	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	

Commissioners and Ministers During the Period 1827-28 to 1958

Hon. Peter Robinson Hon. R. B. Sullivan Hon. John Davidson Hon. A. N. Morin	July 17, 1827 July 14, 1836 July 23, 1841 Oct. 13, 1842	July 14, 1836 June 30, 1841 Oct. 12, 1842 Dec. 11, 1843
Hon. D. B. Papineau Sir John A. MacDonald	Sept. 3, 1844 Dec. 8, 1847	Dec. 7, 1847 Mar. 10, 1848
Hon. J. H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte	Aug. 17, 1853	Aug. 26, 1853
Hon. A. N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855 June 16, 1857	April 30, 1857 Nov. 24, 1857
Sir E. P. Tache	Nov. 25, 1857	
Sir. A. A. Dorion	Aug. 2, 1858	Aug. 1, 1858 Aug. 6, 1858
Hon. P. M. Vankoughnet	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards Sir Matthew C. Cameron.	July 1, 1867 July 25, 1871	July 25, 1871 Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E. J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A. G. McKay	Nov. 22, 1904	Feb. 8, 1905
Hon. J. J. Foy	Feb. 8, 1905 May 13, 1905	May 13, 1905 Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G. H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G. H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson Hon. Peter Heenan	Oct. 18, 1926 July 10, 1934	July 10, 1934 May 27, 1941
Hon. N. O. Hipel	May 27, 1941	Aug. 17, 1941
	Aug. 17, 1943	Nov. 28, 1946
Hon. W. G. Thompson Hon. H. R. Scott	Nov. 28, 1946	Tune 3, 1952
Hon. W. S. Gemmell	June 3, 1952	July 7, 1954
Hon. C. E. Mapledoram.	July 7, 1954	July 4, 1958
Hon. J. W. Spooner	July 23, 1958	

Deputy Ministers Since Confederation

1867	Andrew Russell
1868	Andrew Russell
1869	THOMAS H. JOHNSON
1887	AUBREY WHITE
1915	Albert Grigg
1921	WALTER CAIN
1011	EDANK MACDOUGALL

AUBREY WHITE was first appointed to the staff as Crown Lands Agent for part of Aluskoka, on April 30, 1878, at \$500 per annum. He was a practical man who knew the bush and the country, and he was appointed Clerk in the Woods and Forest Branch, January 1, 1882, at \$1,700 per annum. Mr. Johnson died in January, 1887, and Mr. White was appointed in his stead. Mr. White's recommendations led to the first forest fire protection organization in 1885.

ALBERT GRIGG was a former Member of the Legislative Assembly from Bruce Mines, who resigned in 1921. He was an ardent dry and has been perennial mayor of Bruce Mines for many years. Pioneer stock.

Walter Cain was appointed Clerk in the Lands Branch by the Hon. Elihu J. Davis. He taught school, worked in saw mills and took his B.A. at Varsity while employed. After Mr. Grigg resigned, Mr. Cain was appointed acting Deputy and later confirmed in the position. He was in his day one of the Canadian Greats on the lacrosse field. Superannuated in 1941, he died in 1954.

Frank MacDougall started at the bottom. After excellent service in the Canadian Army during the 1914-1918 war he served on the temporary staff, took his degree as a Forest Engineer at Varsity, was appointed to the permanent staff, May 15, 1923, became District Forester at Sault Ste. Marie, Superintendent of Algonquin Park, obtained pilot's license, undertook special investigations, and was appointed Deputy Minister in 1941. He headed the reorganization activities of the succeeding years.

DIVISION OF ACCOUNTS

A service division in the Department, formerly known as the Accounts Branch. This Division is charged with the fundamental responsibility of accounting for the entire department, the collection of all revenue and the payment of all expenditures. Re-organized in 1942 under the direction of Mr. J. G. McMillen, accounting methods and procedures were modernized and mechanized to provide complete internal control of the department's revenue and expenditure. The Division is also responsible for the administration of The Provincial Land Tax Act and with the inclusion of the former Department of Game and Fisheries in 1946, the issuing of Fish and Wildlife licences.

The following tables will give an indication of the tremendous growth of the department over the past quarter century and the resultant increase in the accounting requirements.

DEPARTMENT OF LANDS AND FORESTS

Revenue and Expenditures in 28 Years Ending 31st March, 1958

	REVENUE	SNUE	ENPENDITURE	DITURE
	ORDINARY	Capital	ORDINARY	CAPITAL
100	\$2 040 802 30	\$ 157.492.06	\$ 2,756,123.46	\$1,225,265.79
1931	2 032 706 88	115 333.63	2,397,171.42	639,796.66
	2,232,133.33	52,077.96	1,974,028.61	400,817.37
1933	2,123,71	54,752.73	2,297,076.46	388,422.87
1934	860 909.93	34,906.89 (5 months)	632,683.96	97,656.24
1935 (3 monens)	3 476.648.75	88.939.50	1,737,940.93	306,569.88
1027	3 757 125.17	60,922.65	2,336,151.40	443,491.73
1038	4 692 016.08	54.921.78	2,233,253.64	363,507.42
1930	5 557 901.17	61.152.15	2,790,491.27	407,079.83
1939	4 620 570 01	76 545.53	2,698,570.83	397,331.81
1940	6.077.439.09	59.912.04	2,637,270.83	330,059.75
1012	6,287,161.43	37,339,68	2,910,615.37	320,502.77
1942	6 964 338.05	69,275,28	4,072,688.46	3,029.42
1044	6 567 183.32	130,524.24	3,610,850.90	4,574.92
1015	6 436 259.97	155,219,01	4,210,648.47	341.95
1016	8 321 551.84	193,061,14	4,839,821.50	8,234.30
1047	10,366,281,93	261,865.96	7,043,267.18	116,523.23
10.48	10,456,251.70	215,151.77	7,598,611.94	
10.10	11 410 352.16	215,884,90	11,400,801.97	
1050	10,921,652.37	677,603.32	9,913,520.62	4,623,339.12
1051	10,962,465.72	5,351,437.91	9,840,796.17	3,326,822.18
1052	14,602,165.18	3,222,682.07	10,681,717.01	2,196,671.93
1052	20 621 374.56	2,513,325,57	11,486,280.94	1,654,781.54
105.1	18 156,762.00	1,810,672.96	12,608,258.47	800,000.00
1055	10 146 974.96	178.810.09	12,716,508.33	178,810.09
1056	19 823 049.47	328,056.86	17,148,523.65	128,297.23
1057	20,881,873.91	367,501.40	16,037,678.39	187,935.36
1058	22,189,712.48	490,717.96	18,733,582.62	280,550.13
		the source of Come and Richaries	Southout of Comes	nd Richarias

CROWN LAND SALES AND LEASES, LAND TAX AND WATER POWER LEASES

Analysis of Cash Receipts in 28 Years Ending 31st March, 1958

	Crown Land Leases and Licenses of Occupation	Water Power Leases	Crown Land Sales	Provincial Land Tax
1931	264,957,40 275,230.38 352,814.60 352,549,54 407,202.87 440,489,75 48,254.57 51,072.60 60,053.31 65,845.86 67,200.44 68,435.03 61,910.54 99,265.07 84,215.20 87,285.38 95,445.89 104,918.41 113,554.42 112,061.86	* * * * * * * * * * * * * * * * * * *	167,410,72 140,016,47 69,437,28 72,825,37 84,771,94 65,128,21 80,380,93 70,248,55 75,212,06 94,947,38 53,820,61 41,960,84 69,162,08 118,745,26 155,219,01 193,061,14 261,865,96 215,151,77 215,884,90 217,642,25	131,851,20 119,728,08 119,135,06 131,447,74 107,301,57 131,928,13 178,621,85 234,761,42 129,178,01 133,935,87 169,608,77 146,801,88 146,013,91 158,744,95 175,341,55 209,459,45 204,474,57 185,470,29 217,520,66 242,292,14
1951 1952 1953 1954 1955 1956 1957 1958	120,468.42 119,562.29 140,248.29 165,642.85 178,749.02 199,833.92 235,570.84 264,851.96	827,937.46 1,101,125.17 1,293,570.18 1,672,735.49 1,539,686.19 1,530,748.10 1,553,862.70 1,626,974.92	188,444.32 186,225.03 197,367.94 184,427.52 212,985.32 295,056.86 309,313.63 358,426.76	322,660.63 367,695.92 393,236.04 562,722.77 644,960.82 687,296.11 776,789.46 810,465.62

^{*}Included in receipts from Crown Land Leases and Licenses of Occupation.

DIVISION OF FISH AND WILDLIFE

Analysis of Cash Receipts in 28 Years ending 31st March, 1958

	Angling Licenses	Commercial Fishing Licenses and Royalty	Gun Licenses	Non-Res. Hunting Licenses	Deer
	106 440 65	115 550 53	51 237.75	62,300.00	75,016.50
1931	100,4440.03	106 996 21	46,764.00	46,420.00	64,961.10
1932	130,077.33	100,730,11	75,760.80	35,080.00	50,257.50
1933	121,761.15	100 088 68	59,214.25	25,799.55	47,263.70
1934	128,412.22	50,345,57	39,564.72	30,315.45	48,684.40
1935 (5 Mos.)	200,050,7	06 981 60	69,635,93	53,080.00	56,544.05
1936	02.00,002	111 450 44	71,526.01	73,937.50	59,351.25
1937	221 420 45	114 258 61	77,780.81	92,370.00	72,320.10
	220 150 05	10.087.87	95.788.45	80,415.00	83,526.55
1939	201,430.03	08 008 00	94,882.18	84,590.00	81,882.00
1940	204 675 00	07,080,70	86,527,85	84,265.00	77,469.40
1041	304,073,00	08 110 03	97,768,84	124,365.00	94,923.90
1942	206 262 05	84 507 32	102,244.96	93,245.00	118,083.55
1943	200,203.03	103 143.45	75,152.65	89,450.00	115,395.90
	412 073 30	90,818.61	79,389.64	115,590.00	117,004.70
1945	412,073.30	103 104 97	110,252.51	218,855.00	166,635.20
1940	1 000 866 27	100,472,85	132,906,53	361,887.20	196,548.80
	1,000,000.37	110,704.04	146,601.42	453,789.53	205,826.80
1948	1,150,904.10	116 507 30	160.378.15	468,705.05	237,707.05
	1,330,300.33	115 344 46	178,016.26	364,921.85	242,208.18
1950	1,450,100.40	121 688.19	183,669.56	401,490.40	264,880.50
1951	1,037,773.00	135 254 98	205.882.29	340,254.90	293,944.96
1952	1,000,143.03	140,050,77	230 147.23	156,913,31	348,664.53
1953	1,949,091.30	112 853 57	218 887.59	447,365.61	355,910.72
1954	2,080,074.01	116 704 60	234 296 34	453,643,44	364,081.94
1955	2,204,007.31	106 770 77	250.758.18	513,088.28	405,200.92
1956	2,217,333.37	117 265 92	244,431.38	545,979.18	400,272.03
1957	2,294,701.0±	105 666.72	267,922.15	563,004.32	415,920.32
1958	Z,101,,101,2		Dogowtonont of	ame and Fisheries	

DIVISION OF FISH AND WILDLIFE

Analysis of Cash Receipts in 28 Years ending 31st March, 1958

1931 7,553.00 131,370.45 1932 1933.00 131,370.45 1933 130,374.08 1934 130,374.08 1934 130,374.08 1934 130,375.08 130,375.08 130,375.09 130,375.39 130,3		39,412.00 38,7758.00 38,7758.00 38,778.00 38,535 37,435.50 36,473.25 36,473.25 36,298.50 36,298.50 36,173.00 36,298.50	4,950.00 5,790.00 6,855.00 7,445.00 7,345.00 6,565.00 6,565.00	37,991.46 37,991.46 27,485.85 27,485.50 11,186.17 11,182.24 41,182.24 42,078.37 61,725.85 61,725.85 63,87.04 68,87.04 68,87.04 68,87.04	715,462.8 613,784.7 613,784.7 571,638.4 258,348.0 683,938.7 785,466.3 868,480.8 10,15,350.8 11,83,269.2 1,183,269.2
6,242.50 5,212.50 3,162.50 2,728.00 2,728.00 2,574.00 2,574.00 2,574.00 2,574.00 2,574.00 4,372.50 4,697.00 4,697.00 4,372.50 4,697.00 1,316.45 16,783.50 1,7878.25 1,7878.25		778.00 778.10 778.50 441.00 405.00 395.50 395.50 297.50 297.50 877.00	4,950.00 6,855.00 6,855.00 7,445.00 7,345.00 7,840.00 6,565.00	27,591,46 27,485,85 21,366,17 11,185,50 30,722,94 42,078,24 42,078,37 71,543,52 61,25,85 69,897,04 69,897,04 69,897,04	613.784. 524.784. 524.738. 258,348. 683,938. 785,466. 868,466. 914,475. 1,015,350.1.
5,219,50 5,219,50 2,194,50 2,194,800 2,981,00 3,179,00 3,179,00 3,179,00 3,179,00 3,178,00 4,697,00 4,697,00 4,697,00 4,697,00 4,812,50 4,697,00 4,705,100 6,316,45 11,878,25 13,788,25 14,788,25 15,787,39		785.50 785.50 741.00 105.00 395.50 904.75 297.50 2298.50 877.00	4 950.00 5 790.00 5 855.00 7 445.00 7 840.00 6.565.00	21,7485.85 21,7485.85 21,185.50 30,722.94 41,082.24 42,078.37 71,543.52 61,734.64 69,897.04 68,531.47 57,57,11	571.657 528,348 683,938 785,466 785,466 914,475 1,015,350 984,800
3,162.50 2,194.50 2,194.50 2,728.00 2,981.00 3,179.00 2,574.00 2,574.00 2,948.00 4,372.50 4,697.00 4,697.00 4,812.50 7,051.00 1,816.45 16,787.39		788.50 341.00 341.00 395.50 395.50 044.75 297.50 117.00 877.00	4,950.00 5,790.00 6,855.00 7,445.00 7,846.00 7,840.00 6,565.00	21,366.17 11,185.50 30,72.294 41,982.29 42,078.37 71,543.52 61,725.85 66,897.04 68,531.47 57,57,11	544, 738. 583, 348. 683, 938. 785, 466. 868, 480. 914, 475. 1,015, 350. 984, 800.
2,194.50 2,728.00 2,728.00 3,198.00 2,574.00 2,574.00 2,733.50 2,948.00 4,697.00 4,697.00 4,612.50 7,051.00 9,316.45 11,788.25 16,787.39		341.00 395.50 395.50 395.50 396.75 397.50 877.00 887.00	4,950.00 5,790.00 6,855.00 7,445.00 7,345.00 7,840.00 6,565.00	11,185.50 30,172.94 41,982.24 42,078.37 71,543.52 69,897.04 68,531.47 52,557.11	258,348. 683,938. 785,466. 868,480. 914,475. 1,015,350.
2,728.00 2,981.00 3,179.00 2,774.00 2,774.00 2,748.35 2,948.00 4,372.80 4,697.00 4,697.00 7,051.00 9,316.45 11,878.25 16,787.39		405.00 395.50 473.25 904.75 297.50 117.00 877.00	4,950.00 5,790.00 6,855.00 7,445.00 7,345.00 7,840.00 6,565.00	30,722.94 41,082.24 42,078.37 71,543.37 61,725.85 69,897.04 68,531.47	683,938. 785,466. 868,480. 914,475. 1,015,350. 984,800.
2,798.100 2,574.00 2,574.00 2,574.00 2,948.00 3,372.50 4,697.00 4,697.00 7,051.00 7,051.00 7,316.45 11,7878.25 16,7878.25		395.50 473.25 904.75 297.50 217.00 877.00 883.00	4,950.00 6,855.00 7,445.00 7,845.00 7,840.00 6,565.00	41,982.24 42,078.37 71,543.52 61,725.85 69,897.04 68,531.47	785,466. 868,480. 914,475. 1,015,350. 984,800.
2,179,00 2,774,00 2,733,00 2,733,00 3,248,00 4,697,00 4,697,00 7,051,00 9,316,45 11,878,25 16,787,39		473.25 904.75 297.50 298.50 117.00 877.00	5,790.00 6,855.00 7,445.00 7,345.00 7,840.00 6,565.00	42,078.37 71,543.52 61,725.85 69,531.47 52,557.11	868,480. 914,475. 1,015,350. 984,800. 1.183,269.
2,574,00 2,733.50 2,948.00 3,278.00 4,697.00 4,697.00 7,051.00 7,051.00 1,878.25 16,787.30 352.21		297.50 297.50 298.50 117.00 877.00	6,855.00 7,445.00 7,345.00 7,840.00 6,565.00	71,543.52 61,725.85 69,897.04 68,531.47	914,475. 1,015,350. 984,800. 1,183,269.
2,733.50 2,743.50 3,278.00 4,697.00 4,812.50 7,051.00 9,316.45 11,878.25 15,787.39		297.50 298.50 117.00 877.00	7,445.00 7,345.00 7,840.00 6,565.00	61,725.85 69,897.04 68,531.47	1,015,350. 984,800. 1,183,269.
2,948.00 3,7278.00 4,372.80 4,812.50 7,051.00 9,316.45 11,878.25 16,787.39		298.50 117.00 877.00 853.00	7,345.00 7,840.00 6,565.00	69,897.04 68,531.47 52,557.11	984,800.
3,278,00 4,697,00 4,697,00 4,812,50 7,051,00 7,316,45 11,787,825 16,787,32 16,787,32		877.00 853.00	7,840.00 6,565.00	68,531.47	1.183,269.
4,372.50 4,872.50 4,812.50 7,051.00 9,316.45 11,878.25 16,787.39 352.21		877.00	6,565.00	52 557.11	The second secon
4,697.00 4,812.50 7,051.00 9,316.45 11,878.25 16,787.39 352.21		853.00		06,0000	962,350
4,812.50 7,051.00 9,316.45 11,878.25 16,787.39 352.21		00000	5,990.00	60,419.40	975 072.
7,051.00 9,316.45 11,878.25 16,787.39 352.21		263.00	6,510.00	73,009.67	1,193,033.
9,316.45 11,878.25 16,787.39 352.21		509.00	8,435.00	109,234.28	1,651,165
11,878.25 16,787.39 352.21		162.00	7,290.00	112,611.55	2,248,200
16,787.39		251.00	10,872.25	87,190.62	2,431,533
352.21		911.00	13,897.50	96,118.41	2,827,773
		34,449.15	16,192.76	95,619.17	2,790,710.8
		606.03	16,339.87	101,944.22	3,082,091,
		633.97	21,234.44	104,564.63	3,341,179
33,487.00		008.00	18,120.83	106,937.77	3,409,915
52,464.00		873.00	20,455.00	131,846.65	3,800,735.4
		783.10	17,401.94	158,906.45	3,989,255
90,040.00		20,309,00	19,419,44	152,730.39	4,154,714
		17,425.00	20,470.56	158,060.16	4,205,827
	277,800.15 15,	963.00	23,560.00	159,068.07	4,434,531

PROVINCIAL PARKS

Analysis of Cash Receipts in 28 Years Ending 31st March, 1958

Total	42,794.52 34,679.35 31,501.98	39,871.26 12,520.54 52,271.17	56,427.55 62,939.42 59,252.58	53,203.67	52,548.67	48,190.94 51,924.60 65,677.46	56,667.16 62,467.12 52,234.76	53,660.48 54,964.36 52,362.59	52,184.17 56,235.03 76,988.25 123,420.66 295,399.83
Misc.	22,62 5.31 15,286.35 9,934.19	16,504.65 5,565.23 28,154.29	31,062.64 35,609.89	31,087.88 25,825.09	23,731.10 24,704.21	24,491,79 27,981.17 39,863.58	28,083.36 24,174.99 20,530.35	21,357.95 22,943.18 19,254.41	12,724.46 13,412.76 34,376.58 5,887.12 10,720.90
Non-Res. Guide Permits	* · · · · · · · · · · · · · · · · · · ·								2,350.00
Hunting Fees									2,484.00
Campers' Permits									* * *
Boat Permits									2,287.00
Vehicle Permits									148,488.20
Total Rentals	20,169.21 19,393.00 21,567.79	23,366.61	25,364.91 27,329.53	20,337.00 27,510.36 27,378.58	27,101.13 18,975.18	23,699.15	28,583.80 38,292.13	32,302.53 32,021.18 33,021.18	39,459.71 42,822.27 42,611.67 64,799.79 51,066.48
Rondeau Rentals	9,935.43	9,057.73	9,729.26	8,779.50 10,307.55 9,805.42	9,236.07	10,695.44	12,950.03 14,118.11 22,007.79	15,505.05 15,656.96 16,476.83	19,196.58 22,187.79 22,210.24 21,833.80 21,013.24
Algonquin Rentals									14,046,91 18,675.88 17,474.13 19,349.43 13,979.14 14,572.09
Year		1935 (5Mos.)	1937 1937	1939. 1940.	1942	1945	1947	1950 1951 1952	1954 1954 1955 1956 1957

Years 1957-1958 under Division of Parks.

DIVISION OF TIMBER

Analysis of Cash Receipts in 28 Years ending 31st March, 1959

Total Receipts	3,041,141.70 2,105,507.85 1,309,584.23 1,815,462.54	376,576.80 2,570,245.95	2,804,643.20 3,437,563.96 3,912,072.51 2,863,761,71	4,153,237.20 4,122,576.50 4,982,281.03	4,561,733.49 4,241,581.00 5,554,781.31 6,944,104.39		15,117,700.87 11,396,460.37 11,937,678.22 * 12,706,730.30 12,706,730.30 * 14,431,008.39 I Receipts.
Other Receipts	1,956.34 1,480.25 771.01 32,132.32	898.00	45,508.22 4,751.21 74,939.24	68,379.73 71,461.64	81,597.79 72,243.81	178,302.28 115,761.63** 44,898.26 67,521.04	100,125 100,125 8,839.38 71,591.78 8,023.81** 51,344.11 25,428.76** in Excess of Cash 1
Fire Tax	304,843.00* 270,515.42* 275,355.95* 296,541.83	280,239,033 9,895,85* 280,285,04 140,142,52*	473,859,35* 416,144.68* 409,546.33	543,522.19 276,577.26	436,395.41	456,443.81 456,443.81 440,010.56 485,313.46 1,007,661.97	1,010,575.9.4 1,175,775.9.3 1,052,634.61 8,839.38 11,3 945,953.21 8,1591,78 11,591,78 11,091,659.16 1,091,836.21 1,041,836.21 25,428.76** 14,4 1**Refund of Deposits in Excess of Cash Receipts
Ground Rent	85,325.15 73,801.07 72,337.36 95,733.43	6,764.61 76,730.34	104,692.15 88,163.13 76,282.39	88,036.40 136,626.71 79,370.11	117,396,26	125,000.70 126,875.25 108,934.25 112,139.00 116,641.52	5.50 5.41 1.50 9.46 6.20 8.00
Timber Dues and Bonus	2,649,017.21 1,759,711.11 961,119.91 1,111,095.31	359,018.34 2,070,654.87	2,180,583,48 2,928,504.94 3,351,304.55	2,300,307.53 3,404,708.57 3,695,167.49	3,606,191.54	6,175,443.93 6,093,409.64 6,899,106.93 6,146,884.32 5,269,278.71	8,324,529,10 13,718,338,94 10,225,145,88 10,834,113,77 11,667,002,82 12,332,778,27 13,333,502,60
	1931 1932 1933 1934	1935 (5 Mos.)	1938	1940 1941 1942	1944 (Not Analysed) 1944 (Not Analysed) 1945	1948 1948 1950	1952 8,324,529,10 14,199 1953 13,718,338,94 123,360 13,718,338,94 1955 10,225,154.88 79,83 1955 10,834,113.77 76,011 1955 12,334,113.77 76,21 1955 12,334,113.77 76,21 1957 12,334,778,27 80,78 1958 12,334,778,27 81,09 1958 13,335,802,68 1958 12,335,802,68 1958

*Applied as Refund to Expenditure on Forest Ranging.

DIVISION OF FISH AND WILDLIFE

Though game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period when Upper and Lower Canada were united, they had not the significance that they attained when the Department of Game and Fisheries was formed under different departments from time to time until the annual report for 1888-89 intimated that the control and management of fisheries was placed under the Crown Lands Department. In the following year the game laws were amended and in 1897 the Commissioner reported that the fishing service had been transferred to the Attorney General.

Under a variety of Ministers from time to time the Game and Fisheries organizations developed until 1946 when, because of its importance as one of the main features of replaceable natural resources it was included as a Division of the Department of Lands and Forests where control of all replaceable natural resources now rests.

As Chief of the new Division Dr. W. J. K. Harkness, a widely recognized authority was appointed and proceeded with the extension of the work of conserving these resources. The tables herein reveal something of its magnitude.

BOUNTIES PAID IN 16 YEARS ENDING 31st MARCH, 1958

BEAR BOUNTY

WOLF BOUNTY

								Total
Year	12 mts. and over \$10 each	Under 12 mts. \$5 each	Total Amount Paid	Timber	Brush	Pups	Total	Amount
				035	497	32	1,464	\$33,607
	:		:	1 302	7.3.1	32	2,065	45,546
944	:	:		1.321	665	12	1,998	42,994
	:	:		1,266	777	30	2,073	45,000
		7.3	\$9.735	1.440	1,182	42	2,664	59,275
,	500	17	5.095	1,515	961	74	2,540	54,923
	502	67	6,035	1,581	1,062	84	2,727	57,977
	803	122	8,530	1,613	890	41	2,544	56,92
	453	47	4.645	1,405	651	44	2,100	46,45
	408	29	4,180	1,198	634	63	1,895	41,80
	662	57	6,805	1,313	739	68	2,120	46,55
	947	145	10,000	1,101	720	20	1,891	41,85
, L	1.126	66	11,590	1,075	620	41	1,736	38,70
	614	50	6.310	1,088	529	28	1,675	37,550
7	611	50	6,225	1,195	486	7.1	1,752	27,00
	1 568	300	16,930	1.047	574	34	1,055	07,10

BREEDING STOCK ON LICENSED FUR FARMS IN 13 YEARS ENDING 1st JANUARY, 1957

		2000	1046	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
		1940												ì
				i	L	305	256	200	75	20	89	70		00
	FOX	955	1,283	1,276	1,450	11	10	7	-	-	- 000		- 1/	110
	Cross	64	47	30	26.9	565	476	449	349	294	250	107	108	105
	Pearl Platinum			2 1 2 2	2 437	1.549	903	559	267	159	150	0C1	9	7
	Platinum	1,514	2,332	0,100	38	23	30		0,1	760	283	456	239	166
	Red	11,238	10,772	9,400	6,654	5,016	3,391	2,813	1,507	20	26	16	6	0
	White Marked	2,629	3,115	3,184	1,091	731	000				2 40	034	200	460
			1001	17 501	12 661	8 480	5,451	4,260	2,375	1,321	1,047	406	110	
	TOTAL	16,500	17,709	11,001	1 1 1									
1.	Σ								40.601	27.727		21,693	20,841	14,812
5	Standard and Dark	:		:	:	:	:	:	12,381	16,926	22,869	29,100	40,368	24.003
	Dastel		:	:	:		:		15,798	17,710		21,053	21,125	28,072
	Silverblu	:	:	:	:		: :	:	4,665	7,797	9,713	13,480	19,301	20,00
	Other Mink	:		:	:								101 721	100 936
	TOTAL	36.912	50,677	72,992	75,192	71,139	67,943	73,034	73,535	70,160	75,340	85,332	101,121	
	10195												,	
	Other Animals			1	10			22	16	15	26	10	1 7	1)
	Reaver	44	30	45	2 4		2.3	21	13	10	6	11	7 7	
	Fisher	14			7	-			•	. 1		:		88
	Lynx	7								45.0	107		62	
	Marten	17	01	00			125	66	192	+07	77	47	43	
	Muskrat	07								00	5		ur,	
	Кассооп	120						9	-1					-
	Skunk						0 8 0	044	760	631	540	579	542	270
	NO OF FARMS		1,502	1,735	1,650	1,382	1,0/8	914	103					
	NO. OF PARKET													

REVENUE RECEIVED FROM PELTS EXPORTED OR TANNED IN 12 YEARS ENDING 30th JUNE, 1958

23,229.30 27,156.25 18,074.95 5,492.75 9,556.35 26,313.75 25,430.15 34,794.90 20,766.50 27,596.25 9,407.05 Tanners ROYALTY ON WILD PELTS \$ 188,560.40 238,073.05 219,948.80 241,937.60 300,321.05 300,798.80 268,822.90 242,489.95 196,956.25 94,339.80 224,921.35 Total Export \$ 91,694.00 48,506.00 31,200.00 63,690.00 11,278.00 40.930.00 40,166.00 211,006.00 85,103.00 57,635.50 35,919,50 12,663.00 Export | ranners 181,723 149,340 325,947 214,636 294,017 271,167 88,847 256,476 40,441 90,566 248,613 Total Export 762,998 922,868 941,348 862,700 940,378 620,606 814,447 998,713 908,990 769,027 NUMBER OF PELTS 45,847 65,600 81,845 134,729 11,278 Export 20,083 74,253 105,503 122,287 105,071 12,663 950.... 954..... Vear 948... 951.. 947 949.. 952. 953.

PELTS EXPORTED OR TANNED IN 12 YEARS ENDING 30th JUNE, 1958

	NOMBI	NUMBER OF PELTS			VALUE OF FELIS	T. A.
Vear	Wild	Ranch	Total	Wild	Kanch	Lotai
19471948	876,204 1,001,249 1.046.628	101,430 155,468 164,917	977,634 1,156,717 1,211,545	\$4,966,209,43 4,040,846.67 5,187.075.19	\$2,262,888.38 2,346,038.61 1,647,044.38	\$7,229,097.8 6,386,885.28 6,834,119.5
1950	931,890 811,579 959,431	158,912 152,208 152,284	1,090.802	4,248,297,37 4,582,900.62 3,656,919.00	2,165,232.63 3,101,559.30 2,355.226.00 2,171,784.00	6,413,530.00 7,684,459.9 6,012,145.00 6,040,596.40
1953	1,098,286 1,016,672 1,107,530 786,608	156,903 132,759 159,765 172,985	1,255,159 1,149,431 1,267,295 959,593	2,682,762.00 4,284,902.19 2,989,521.74	1,905,518.15 2,942,968.00 4,129,555.00	4,588,280.1 7,227,870.1 7,119,076.7
1950	788,666	248,317 237,930	1,036,983	2,575,808.67	2,978,209.00 3,943,119.20	5,554,017.6

FUR RETURNS BY ONTARIO GAME MANAGEMENT DISTRICTS IN 10 YEARS ENDING 30th JUNE, 1958*

NUMBER OF TRAPPERS

Wlv.	24
Wolf	.178
Weasel	20,544
Squirrel	209 20,544 178 24
Skunk	129 77
Racoon	
Otter	3,276
Muskrat	120 19,867 172,219 3,276
Mink	19,867
Marten	120
Lynx	409
Fox	2,783
Fox	.39
Fisher	1,027
Year Reg. Res. Farm Total Beaver Fisher Fox Fox Lynx Marten Mink Muskrat Otter Racoon Skunk Squirrel Weasel Wolf Wly,	1949 4,326 46,208 1,027 39 2,783
Total	4,326
Farm	:
Res.	:
Reg.	:
Year	1949

.178	,399	650	538	613	563	501	445	560	300
20,544	44,463	32,002	13,129	23,727	23,816	28,813	20,190	17,981	16,410
209	:	4,121	5,598	16,077	14,256	16,133	13,861	19,440	14.778
11	169	4,538	5,747	5,749	2,506	1,879	819	1,105	2,019
129	99	6,667	10,905	9,874	10,669	9,641	13,135	10,551	9,596
3,276	3,488	6,137	5,259	6,410	6,203	6,224	6,401	5,325	7,293
172,219	146,145	408,662	567,565	671,642	607,645	640,865	400,111	443,153	446,578
19,867	30,750	31,323	27,704	28,904	30,264	29,520	27,510	30,069	41,837
120	48	1,045	1,529	2,210	2,767	3,587	2,909	4,092	5,707
409	389	415	251	1,216	1,464	1,547	891	657	1,114
2,783	1,727	3,341	4,871	5,784	4,604	2,879	2,619	1,253	2,031
39	14	139	198	54	685	86	163	09	128
1,027	310	662	2,081	2,414	2,335	2,915	3,046	1,822	2,737
46,208	62,717	81,790	166,991	109,260	91,484	115,439	98,084	93,065	126,986
4,326	4,917	11,379	11,641	12,332	11,914	12,310	11,001	9,529	8,604
:	:	:	:	844	890	975	547	282	:
:	:	6,422	6,656	6,434	6,059	6,406	5,761	4,776	:
:	:	4,957	4,985	5,054	4,965	4,929	4,693	4,471	:
1949	1950	1921	1952	1953	1954	1955	1956	1957	1958

255

(1958 Returns not complete)

*Management Began in 1947. **Lynx includes Bob Cat.

***Wolverine includes Bear.

PROSECUTIONS IN 12 YEARS ENDING 31st MARCH, 1958

	Lotal	2.129	3,038	2,601	2,946	2,930	3,040	3,038	3,213	3,284	3,179	2,965	3,154	
Cases With-	drawn	4	44	193	140	98	70	44	26	80	125	50	38	
Cases Dis-	missed	Lr Of	114	106	102	116	108	114	82	102	87	93	92	
Convic-	tions	040	2,010	2.302	2.704	2,728	2,862	2,880	3,052	3,102	2.967	2.620	3,040	
Public Sale	Equipment			4 4,700.00	7,053.27	0 750 66	9 422.30			0 239.15	7 414 34	0 389 40	9,391.97	
RES	Total		1,844		2,013	2,097	2,013	2,103	2,012	2,713	0,000	2,729	2,096	1
SEIZURES	Firearms		926	- 6	1,292	1,434	1,413	1,488	1,438	1,121	1,493	1,002	1,510	7,017
	Year		1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1930

HUNTING AND ANGLING LICENCES SOLD IN 14 YEARS ENDING 31st DECEMBER, 1957

	D	DEER HUNTING	07	Moc	Moose Hunting	20	SMALL GAME	GAME	BEAR & WOLF	TOTAL F	Total Hunting	ANGLING	NG
VEAR	Resident	Non-Res.	Total	Resident Non-Res.	Non-Res.	Total	Resident Non-Res.	Non-Res.	Non-Res.	Resident	Resident Non-Res.	Resident Non-Res	Non-Res-
1944	38,654	2,385	41,039	875	653	1,528	92,847	1,949	181	132,376	5,168	:	89,291
1945	53,930	4,430	58,360	1,282	1,426	2,708	131,468	3,281	314	186,680	9,451	:	126,367
1946	62,913	7,877	70,790	1,694	1,230	2,924	155,309	4,666	783	219,916	14,556	:	171,400
1947	67,299	11,193	78,492	2,270	1,516	3,786	171,098	3,620	548	240,667	16,877	:	196,785
1948	73,700	11,300	85,000	3,000	1,700	4,700	186,060	3,200	1,600	262,760	17,800	3,730	224,893
1949	76,274	12,050	88,324	*	*	*	205,706	3,300	1,176	281,980	16,526	4,434	240,278
1950	84,380	12,440	96,820	×	*	*	213,594	5,620	1,127	297,974	19,187	5,110	237,191
1951	89,290	10,400	069'66	1,400	*	1,400	240,040	4,960	1,120	330,730	16,480	4,785	272,180
1952	96,790	**870	099'26	3,620	*	3,620	268,444	5,400	3,060	368,854	9,330	4,695	287,997
1953	92,785	8,300	101,085	5,196	637	5,833	256,341	3,810	2,490	354,322	15,237	4,712	308,500
1954	92,800	10,400	103,200	7,500	730	8,230	284,000	5,300	1,520	384,300	17,950	6,400	366,150
1955	105,150	8,050	113,200	000'6	066	066'6	318,000	6,010	1,750	432,150	16,800	6,450	377,220
1956	620'86	7,426	105,505	13,441	1,521	14,962	316,778	5,905	2,031	428,298	16,883	12,624	376,000
1957	106,620	6,743	113,363	17,367	1,890	19,257	341,838	6,092	2,703	465,825	17,428	15,806	397,435

*Closed Season.

**U,S,A. Ban on importation of Cloven-Hoofed Animals.

DISTRIBUTION OF HATCHERY FISH IN 11 YEARS ENDING 31st DECEMBER, 1957 (IN 000's)

DISTRIBUTION OF THE	T Trick to										
SPECIES	*1947	*1948	*1949	*1950	*1951	*1952	1953	1954	1955	1956	1957
The state of the s											
BLACK BASS, Large mouth. Fry Fingerling Vearling and Adult	305 6 1	410	550	550	826 145	544 97	330 328 1	720 279	282 343 4	360 122 1	190 129 3
BLACK BASS, Small mouth. Fry. Fingerling. Vearling and Adult	1,457 580 5	1,403 555 3	1,533	1,506 346 9	935 402 14	358 385 15	720 623 18	820 452 14	209 529 25	803 369 19	468 132 1
BLUEGILLS FingerlingAdult.	: :	: :		::			: :			: :	::
CHARR, French Alpine. Fingerling. Yearling.								: :		21	
CHARR, Pennsylvania. Fingerling	:		:	1	:		:	2		:	:
Herring Eggs.	23,940	20,375	8,400	5,100	8,100	1,100	3,600	2,717	398	350	1,840
Maskinonge Fry Fingerling Adult	2,790	3,135	2,750	3,350	2,360	3,750	2,740	3,550	3,712	3,610	2,430 39 1

DISTRIBUTION OF HATCHERY FISH IN 11 YEARS ENDING 31st DECEMBER, 1957 (IN 000's)—Cont'd

1957	===		90,565	:			16
1956		:	138,805	:	: :	513	
1955	::-	:	91,800 8,310	:	423		10
1954		:	227,000 6,000	:	::	::	
1953	: : :	:	270,975	:			25
*1952	24	:	254,030 267,170 312,900 160,200 234,610 176,285 270,975 6,000	72	: :		
*1951	: : :	:	234,610	:		: :	: : :
*1950		:	160,200	:	: :	: :	
*1949	- · ·	:	312,900	112	::	: :	
*1948	:::	:	267,170	101	::	::	: : :
*1947		12,000	254,030	59	::	::	: : :
SPECIES	OUANANICHE Fingerling Vearling Adult.	Рексн Fry	PICKEREL Eggs. Fry Fingerling	Salmon, Atlantic Fingerling	Salmon, Chum. Eggs. Fingerling.	Salmon, Pink. Eggs. Fingerling.	SPLAKE Fingerling. Vearling. Adult.

36 36 170	123	230		2000	13,43.	180,70
29	10	12 10 736 320	: :	35 1,332 2,092 19	51,178	212,410
101 234	83.4.*	2,612	* *	50 842 1,991	67,165 102,950	286,267
100 178	2***	2,606	* *	720 166 2,056	42,665 139,210	
103	108	250 6,985 172	25	1,963	186,700	479,069 430,780
108	73	1,849 3,499 231	2	2,721	200,400	392,272
283	35	1,775 3,147 134	10	3,087	121,185	378,080
307 85	52	1,450 4,489 55	: :	1,005 3,141 8	235,200	416,946
10 175 222	32	1,000 5,562 81	::	1,475 2,938 2	245,150	583,369
9 558 350	1/2	1,000 4,858	28	2,334 5	243,482	546,776
376		3,468	4 :	517 2,802	233,316	535,775
Frour, Brown Eggs Fingerling Vearling Adult.	RROUT, Kamloops Eggs. Fingerling. Vearling.	Frour, Lake Eggs Fry Fingerling Yearling	Trour, Rainbow Fingerling Vearling	FROUT, Speckled Eggs Fry Frigerling Yearling Legal Size	WHITEFISH Eggs.	TOTAL
H						

**Rainbow Trout Included in Kamloops Trout Plantings. *Figures for 1947-1952 Compiled on Fiscal Year Basis.

15 17

YIELD OF ONTARIO FISHERIES (In Thousands of Pounds) IN 23 YEARS ENDING 31st DECEMBER, 1957

Vear Lake Lake Ceorgian North Lake Northern Lake Total 1935 2,785 14,429 697 3,670 3,275 1,434 4,896 852 35,216 1936 3,377 14,665 3,611 2,862 1,417 4,899 4,496 852 35,216 1936 3,377 14,665 669 3,609 3,699 1,417 4,899 4,447 754 36,093 1936 3,512 14,264 784 669 3,009 3,007 4,489 4,496 852 35,216 1937 3,046 1,460 7,89 900 3,007 4,489 4,496 34,994 1941 3,046 9,78 3,009 3,009 3,007 4,489 4,496 55,210 33,207 4,488 65,53 33,890 1942 3,048 1,483 2,496 2,989 1,900 4,479 4,488 3,456 4,479		Value \$'000	2 634	2,615	2,574	2,565	2,226	3,372	4,704		6,484	4.803	5,735	0,447	6,252	7,044	7,417	7,037	610,	6,783	7.047
Vear Lake Lake Georgian North Lake Northern 5 2,785 14,429 697 3670 3.275 1434 4.896 6 3,174 14,654 650 3.511 2.862 1417 4.896 4.496 6 3,174 14,654 669 3,009 3,079 1.417 4.893 4.496 6 3,174 14,655 669 3,009 3,079 4.883 4.496 8 3,572 14,264 784 2,496 2,989 960 4,447 4,883 9 3,512 14,264 784 2,496 2,989 960 4,437 4,883 10 3,604 9,768 835 2,118 2,689 2,980 4,734 4,883 2 2,489 1,679 2,989 960 3,307 4,883 3 1,286 2,496 2,989 1,960 4,579 2 2		Total	35.216	34,255	34,914	53,850	26,950	26,381	30,595		33,000	24,922	28,942	04,001	32,756	30,972	38,044	44,839		59 717	51,113
Vear Lake Lake Lake Georgian North Lake 5 2,785 14,429 697 3,670 3,275 1,434 3,578 6 3,154 1,954 650 3,511 2,862 1,417 4,899 8 3,586 14,505 669 3,009 3,082 1,404 4,899 9 3,512 14,264 784 2,496 2,889 960 3,307 9 3,512 14,264 784 2,496 2,889 960 3,307 10 3,606 14,504 784 2,496 2,889 960 3,307 10 3,606 1,204 2,889 960 3,307 1,904 4,687 2 2,481 1,484 2,906 2,889 960 3,307 3,47 2 2,281 1,484 487 1,460 1,583 3,582 2 2,337 1,440 1,400 1,543 </td <td></td> <td>Southern Inland</td> <td>852</td> <td>925</td> <td>7 1 2</td> <td>660</td> <td>517</td> <td>546</td> <td>018 482</td> <td>808</td> <td>679</td> <td>448</td> <td>735</td> <td></td> <td>101 101 101</td> <td>/0/</td> <td>0/8</td> <td>712</td> <td></td> <td>503</td> <td>493</td>		Southern Inland	852	925	7 1 2	660	517	546	018 482	808	679	448	735		101 101 101	/0/	0/8	712		503	493
Vear Lake Lake Lake Georgian North 5 2,785 14,429 697 3,670 3,275 1434 6 3,154 11,954 650 3,811 2,822 1417 8 3,686 14,502 669 3,609 3,622 1,417 9 3,686 14,502 669 3,609 3,622 1,417 9 3,686 14,502 669 3,609 3,622 1,417 9 3,686 14,502 669 3,609 3,622 1,417 9 3,686 14,502 7,849 2,989 1,991 1,991 1 3,122 14,264 7,849 2,989 2,992 1,992 1 3,134 489 2,981 2,992 2,914 3,724 442 2 2,338 18,925 5,93 1,747 1,447 4,545 487 2 2,637 1,434 4,45 <td></td> <td>Northern Inland</td> <td>4,496</td> <td>4,883</td> <td>4,598</td> <td>4,734</td> <td>4,504</td> <td>4,570</td> <td>4,964</td> <td>7 040</td> <td>4,719</td> <td>4,802</td> <td>4,629 5,254</td> <td>1 0</td> <td>5,229</td> <td>5,128</td> <td>6.080</td> <td>6,080</td> <td>2627</td> <td>5,878</td> <td>5,764</td>		Northern Inland	4,496	4,883	4,598	4,734	4,504	4,570	4,964	7 040	4,719	4,802	4,629 5,254	1 0	5,229	5,128	6.080	6,080	2627	5,878	5,764
Vear Lake Lake Lake Ceorgian 5 2,785 14,429 697 3,670 3,275 6 3,154 11,954 650 3,811 2,862 8 3,686 14,502 669 3,009 3,082 9 3,512 14,264 784 2,496 2,989 9 3,086 14,502 669 3,009 3,082 9 3,086 14,264 784 2,496 2,989 9 3,096 9,28 2,148 2,989 1 3,040 9,768 892 2,148 2,163 2 488 10,038 598 2,081 2,163 3 2,488 10,038 598 2,081 2,163 4 2,637 14,849 1,205 1,445 5 2,037 1,244 1,205 1,445 5 2,046 14,926 449 1,401 1,563	К, 1957	Lake Superior	3,578	4,899	4,057	3.319	3,436	3,562	3,761	3.812	3,589	2,830	3,371	11 11 11	2,033	2,001	2,771	2,890	2 540	2,145	2,797
Vear Lake Lake Lake Lake Lake Lake Californ Lake Californ Huron 5 2,785 14,429 697 3,670 3,511 4,905 3,690 3,511 3,690	CEMBE	North Channel	1,434	1,417	1,194	792	542	572	487	434	290	267	550	0 9 9	248	433	458	395	244	187	191
Vear Lake Lake Lake 5 2,785 14,429 697 6 3,154 11,954 650 8 3,154 11,954 650 8 3,086 14,502 669 9 3,512 14,264 784 10 3,086 14,264 784 10 3,040 9,768 835 2 2,488 14,264 499 3 2,637 14,264 449 4 15,256 449 11 5 2,637 15,256 449 5 16,334 406 17 5 2,037 15,256 449 11 5 2,037 12,334 406 11 6 2,046 14,926 469 11 7 2,046 14,926 469 11 8 2,046 14,926 469 11 8	I I SIE DI	Georgian Bay	3,275	3,079	3,082 2,989	2,659	2,734	2.010	1,545	1,524	1,292	0000	1,563	2 704	3,720	5,359	6,876	4,292	2,298	1,113	604
Vear Lake Lake 5 2,785 14,429 6 3,154 11,954 7 3,174 14,665 8 3,686 14,502 9 3,086 14,504 9 3,040 9,768 10 3,040 9,768 10 3,040 8,51 2 2,488 10,038 2 2,488 10,038 3 2,637 15,256 5 2,037 14,926 5 2,046 14,926 6 2,411 13,114 8 2,046 14,926 9 2,046 14,926 1 2,411 13,114 2 2,046 14,926 2 2,046 14,926 2 2,046 14,926 2 2,047 14,123 1 1,914 28,912 1 1,914 28,912 <t< td=""><td></td><td>Lake Huron</td><td>3,670</td><td>3,189</td><td>3,009 2,496</td><td>2,211</td><td>2,148</td><td>1,836</td><td>1,460</td><td>1,071</td><td>954</td><td>1,107</td><td>1,260</td><td>1.301</td><td>1,474</td><td>1,736</td><td>1,396</td><td>1,463</td><td>1,262</td><td>1,463</td><td>200</td></t<>		Lake Huron	3,670	3,189	3,009 2,496	2,211	2,148	1,836	1,460	1,071	954	1,107	1,260	1.301	1,474	1,736	1,396	1,463	1,262	1,463	200
Vear Ontario 5 5 2,785 6 7 3,154 7 8 3,086 9 3,512 9 3,512 9 3,646 1 2,488 1 2,537 1 2,006 1 2,006 1 2,194 2 2,194 1 1943 3 3,194 2 2,637 1 1943 3 3,194 2 2,637 1 1943 3 3,194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 1 194 2 2,637 2 2,637 2 2,637 3 3,6		Lake St. Clair	697	766	669 784	835	598	487	449	503	493	437	540	469	389	792	983	1,021	822	1,029	7,113
Vear 65 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Lake Erie	14,429	14,665	14,502	9,768	10,038	14,483	15,256	18,950	12,324	14,926	19,093	16,866	13,114	17,417	23,389	716,87	30,285	37,105	200
1 801/80 01284 100/20		Lake	2,785	3,377	3,512	3,040	2,488	2,281	2,037	2,338	2,039	2,046	2,006	2,219	2,411	2,281	2,059	1,714	1,943	1.997	
		Vear	1935	1937	1939.	1940	1942.	1943	1744	1945	1947	1948	1949	1950	1951	1932	1054		1955	1957	

YIELD OF ONTARIO FISHERIES IN NINE YEARS ENDING 31st DECEMBER, 1957 (In Pounds)

	SPECIES	1949	1950	1951	1952	1953	1954	1955	1956	1957
					00 425	84 874	65 871	61 153	63.105	67.124
		:	:		1 441 834	2 196 536	6 202,235	4.589,014	5,794,936	3,588,509
	bass, white	601 000	601 200	610 200	815 134	865.179	836,643	823,603	843,332	761,792
	Bunneads	646 184		703,230	1 129 836	1.383.564	1.427,787	1.317,931	1,905,901	1,507,842
	Carpon	301 132		284.189	370,178	294,755	331,787	285,438	298,631	271,939
	Courier	1 850		2.019	2,262	2,335	2,144	2,929	2,140	2,518
	Chub: Tullibee	438 174		438,268	488.626	844,824	920,042	988,361	923,	795,709
	Fels.	47.861		49,784	65,788	59,547	80,115	70,836	52	103,363
	Cold Pepe	40,800		113,660	102,232	33,774	87,076	5,506	84	30,914
	Howing Cipoo	2 136 051	-	1 427 880	1.598.050	1.149,315	1.374,917	935,567	1,141	1,995,970
	Ting	7,700,701	4	2001	247.458	457,664	426,228	505,701	450	354,177
2:	Menominee Dilote					11,015	12,703	17,587	19	23,486
-	Deroh	2 608 438	2 700 773			4.628,588	8,202,567	5,180,676	11,842	12,067,855
	Disheral Blue	0,830,433	8 665 363			10,399,422	8,209,830	12,070,406	12,019	6,397,785
	Dial-arel Vellow	3,030,012	3 509 585			4,649,590	5,195,933	6,883,415	11,673	10,608,822
	Pickerel, remow	1 027 460 8	874 967	1,004,535		964,471	1,148,116	913,418	904	913,790
	Common to this in	100,533	342,655			249,716	212,399	167,826	133	103,145
	Changels	170,000	200127			848,530	853,494	840,014	774	849,182
	Sincepsinedu				661.583	1.325.883	1.549,923	2,327,976	4,015	4,665,657
	Sherica	183 814	167 568	164.041	182.941	193,487	171,843	159,996	138	174,170
	Sunlead	100,001	000104		1.485.032	1.567,602	1.484.694	1,395,196	1,393	1,317,318
	Suckets				284,556	469,123	376,426	369,651	416	374,923
	Tremt I also	1 801 064	2 043 671			1.862,044	1.561,922	1,189,543	641	498,483
	Militafah	7,051,705	6 588 695			10,213,916	6,843,640	4,452,024	4,049	3,225,674
	Wintensin	3,716,650	4,063,744	4,786,683	65,254	82,868	100,568	82,608	132	413,003
	TOTAL	34,061,361	32,755,813		30,971,525 38,044,049 44,838,572 47,678,903 45,636,375	44,838,572	47,678,903	45,636,375	59,717,281 51,113,150	51,113,150
						-		The state of the s		The same of the sa

COMMERCIAL FISHING EQUIPMENT IN 12 YEARS ENDING 31st DECEMBER, 1957

	COMMI	COMMERCIAL			FISHING		AMOUNT	AMOUNT OF NETS	TS		7.007010	Wharve		
Vear	Gill	Total	Number of Men	40 & Over	Under 40 ft.	Gill (Yds.) Pound Trap* Hoop	Pound	Trap*	Hoop	Seine	& Ice Rouses	and Piers	Net	Total Value
										,	i.	427		64 162 17
946	:		4,244	107	2,203	9,090,199	1,079	:	1,288	171	272	431		44,703,776
947	:	2,421	4,026	112	2,009	8,853,717	1,135	:	1,240	66	486	400	:	5,147,029
048			3.736	111	1,930	8,980,784	1,152	:	1,324	92	477	412	:	5,716,073
040	1.071		3,930	123	2,039	9,143,558	1,182	:	1,411	110	456	395	:	5,988,16
950	1.021		3,886	116	1,966	9,064,269	1,214	:	1,439	112	477	425	:	6,678,89
051	1.063		3.833	126	1.981	8,943,785	1,204	:	1,483	105	476	416	:	6,985,46
052	1.124		3.878	196	1,682	9,056,782	1,127	359	1,564	109	462	474	727	8,327,77
053	1.098		3.807	215	1,538	9,312,308	1,078	549	1,570	101	493	487	827	8,838,65
054	1.045		3.657	214	1,407	9,247,586	878	709	1,578	116	482	456	778	9,176,18
055	1.066		3.483	224	1,338	9,303,838	787	822	1,545	134	442	447	759	9,226,53
056	1 032		3.135	202	1.320	8,718,920	784	763	1,487	84	426	437	754	8,891,46
957	1,038	3,684	3,066	211	1,321	8,617,596	671	804	1,462	91	412	404	604	8,676,01

*Trap Nets included with Pound Nets, 1946-1951.

DIVISION OF FOREST PROTECTION

The late Aubrey White, former Deputy Minister, may be regarded as the originator of forest protection as we know it.

His extensive report of March 30/85 on the emergency induced by increasing forest fire losses brought about government recognition of the necessity of immediate organized activity to meet the situation.

In the annual report for the following year Mr. White stated, "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees the net expense to the Province was under \$4,000". Mr White asked for \$8,000 for his new budget.

What had been accomplished received enthusiastic approval and laid the foundations of the fine organization which functions so well today.

Year by year the area under protection extended and so did the cost and so did the beneficial results.

The following are features:

The first legislation concerned with forest protection, "An Act to Preserve the Forests from Destruction by Fire", was placed in the statutes in 1878. In 1886 legislation which allowed sharing of fire ranging costs by the Province and licensee on licensed lands was enacted, to be supplemented by placing fire rangers on unlicensed Crown lands at public expense in 1897. This was further revised in 1910 when license holders were required to assume the full costs of fire ranging on licensed areas.

1911-16—HISTORIC FIRES

In 1911 the Porcupine fire occurred, burning over 864 square miles, causing \$3,000,000.00 property damage. This fire took 73 lives. Five years later, in 1916, the Matheson fire killed 223 persons, burned over 1,000 square miles and caused \$2,000,000.00 property damage.

1917—New Act

The "Forest Fires Prevention Act" of 1917, the forerunner of our present legislation established the permit system of controlling settlers' fires. The principle of the annual, per acre, protection charge on licensed lands (fire tax) was established under The Crown Timber Act in that year. This same year witnessed the appearance of motor-powered portable pumps in the Ontario protection service. In contrast with the 7 pumps purchased in 1917 there are now more than 1,000 units, many of the very latest design, in use.

1922—HAILEYBURY FIRE

The Haileybury fire of 1922 took 44 lives and caused \$6,000,000.00 property damage while burning over 2,000 square miles.

1924—AIR SERVICE

The year 1924 is noteworthy in that it marks the formation of the Provincial Air Service. The fourteen HS2L flying boats purchased in that year have been replaced by a series of other aircraft.

1927—RADIO SERVICE STARTED

Radio communication was first used by the Ontario protection service in the Red Lake Division of the Hudson Inspectorate in North-western Ontario. This was in the year 1927. In 1935 V.H.F. tower radio equipment went into service followed by aircraft radio equipment in 1939.

1938—FORT FRANCIS FIRES

In 1938 there were 17 deaths as a result of fires in the Fort Frances District.

1941—This year saw Protection created as Division of the Department instead of a Branch as formerly.

1946—This year 1946 witnessed the initiation of the province-wide area-seen survey in connection with the tower detection system. The Forest Insect Laboratory at Sault Ste. Marie was completed in that year.

1948—New Fire Act

The Forest Fires Prevention Act was rewritten to its present form in 1948; only minor amendments have been added since that time. This was the year of the Mississagi fire with the subsequent salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

1949 —Province-wide Radio Network Completed

The province-wide radio network, with the "key" station at Maple was completed in 1949.

1952—FLYING SUPPRESSION CREWS

In 1952 suppression crews were being carried on routine aerial detection patrols, and the year 1953 was marked by the use of helicopters, throughout the Fire Season, for the first time.

1953—Forest Pathology Laboratory

The Laboratory of Forest Pathology at the Southern Research Station, Maple, was completed in 1953.

1955—BAD FIRE YEAR

A very heavy and sustained fire-load was experienced in 1955. Suppression action featured mobility of resources, the use of water-bombing and cargo-dropping techniques, and the teamwork of the helicopters and the Beaver aircraft. The value of the larger, transport type, helicopter was well demonstrated during the critical period when, through the courtesy of the R.C.A.F., a Sikorski and a Piasecki were made available to the protection service.

1957—Forest Protection and Air Service Divisions were consolidated with Air Service as a branch of Forest Protection.

AIR SERVICE BRANCH

The use of aircraft owned by the Provincial Government in forest protection began in 1924 with the purchase of 15 H.S.2.L. flying boats and during that year 2,500 hours were flown. At that time the flying service was a part of the forest protection organization and Capt. W. Roy Maxwell previously with Laurentide Air Service was appointed its first director.

The installation of bases at strategic points through the forest area followed and this was accompanied by fuel caches appropriately located.

From time to time additions were made to the fleet including a Loening and a Vickers Vedette and as the older types became obsolete newer and more suitable types were obtained. These included the Moth, Stinson, Fairchild Hamilton, DeHavilland and Norseman.

In 1934 Capt. Maxwell was succeeded as Director by Mr. Geo. Ponsford who had a wide experience in both war and peacetime aircraft.

NUMBER OF ACRES BURNED OVER

Year	Crown	Private	Total	Number of Fires	Average Acreage
1925	122 401	57.062	100 542	1 140	165
1926	132,481	57,062	189,543	1,149	165
1927	65,888 22,772	22,486 12,970	88,374	1,110	80
1927	96,436	3,947	35,742 100,383	924 536	39 189
1929	608,750	16,893	625,643	1.550	
1930	357,531	354,278	711,809	1,330	404 508
1931	105,866			1,402	75
1932	626,555	32,421 52,466	138,287 679,021	2.073	328
1933	325,034	24,924	349,958	1.919	
1934	160,348	38,285	198,633	1,568	182 127
1935	183,179	67,483	250,662	1,308	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1.453	155
1937	96,168	42,077	138,245	1,433	107
1939		3,009	29,098	961	30
1940	26,089 100,990	20,624	121,614	1,014	120
1941		394,754	666,547	1,014	527
1942	271,793 77,709	36,007	113,716	1,203	93
1943	33,465	19.352	52,817	624	85
1943	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	45,510	966	47
1946	44,656	32,113	76,769	1.739	44
1947	38,093	45,939	84,032	1,739	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101.243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2.252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1930	23,344	11,108	30,032	1,330	7.8

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

19	1945 1	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
44 8	00	80	75	147	152	107	74	112	92	42	148	49	125	123
289 481	48	_	298	432	451	256	191	315	388	221	390	196	379	325
231 38	38	383	248	461	340	258	173	214	279	147	298	145	342	371
163 249	24	6	180	333	138	66	139	131	188	82	189	122	176	149
4 2	2	21	30	46	200	47	28	26	13	11	13	34	73	63
32 6	9	00	56	52	52	29	38	31	24	13	53	22	39	17
3 1	7	_	9	9	9	3	12	70	2	3	11	9	7	₩.
33		2	2	2	9		:	:		2	11	00	3	41
8 31	3	1	15	35	32	16	16	13	19	25	31	00	26	43
36 68	99	00	31	31	94	89	74	108	143	74	148	123	194	229
32 42	42	01	42	6	10	00	00	10	14	6	32	2	32	17
121 303	309	25	410	433	468	93	151	130	357	252	928	302	275	219
966 1,739	,73	6	1,393	2,036	1,834	985	904	1,095	1,520	881	2,252	1,017	1,671	1,558
845 1,436 87 83	43(.0	983	1,603	1,366	892	753	965	1.163	629	1,324	715	1,396	1,339

the second space and second space as a second space of	1 24 04	1046	1047	1948	1940	1950	1951	1952	1953	1954	1955	1956	1957	1958
Milans of Detection Towers Aircraft Rangers	314 121 134 397	615 197 260 667	424 264 158 547	575 411 241 809	630 337 168 699	352 117 93 423	310 122 72 400	344 139 82 830	528 216 122 654	353 126 46 356	891 395 102 864	262 189 57 509	575 202 141 753	581 121 87 769
	1045	1946	1947	1948	1949	1950	1921	1952	1953	1954	1955	1956	1957	1958
1, actre			412 626 97 177 50 12 19	571 894 155 285 24 24 9	574 811 122 242 242 61 16	260 426 92 155 43 3	329 383 45 115 21 2	391 516 65 103 16 1	500 719 102 146 33 7	354 392 36 36 81 81 2 2 2	846 1,004 120 188 52 52 18 188 8	395 456 46 66 26 24 4 21 3	575 741 120 187 37 3	490 108 108 178 20 4 4 4 5 5
AVED AGE SIZE (ACTES)	47	44	09	500	33	37	112	11	39	62	176	222	7.8	ŧ7

1958 FOREST FIRES

District	Acres Burned	Number of Fires	Average Acreage
Chapleau	5,319	21	251
Cochrane	463	22	21
Fort Frances	594	61	10
Geraldton	255	35	7
Gogama	42	28	. 2
Kapuskasing	4,538	23	197
Kemptville	1,000	2.0	121
Kenora	945	146	6
Lake Erie	,,,,		
Lake Huron	12	15	1
Lake Simcoe	6	14	1/2
Lindsay	462	71	7
North Bay	808	107	8
Parry Sound	817	208	4
Pembroke	623	96	6
Port Arthur	12,253	116	106
Sault Ste. Marie	435	102	4
Sioux Lookout	1,048	45	23
Sudbury	6,541	292	22
Swastika	423	24	18
Tweed	790	105	8
White River	298	27	11
	290	21	* 1
Months April	5,577	413	13
May	26,381	413	64
une	3,626	198	18
uly	90	69	18
August	920	403	2
September		403 37	1/2
October	18 15	12	
November	15 25	15	1 2
Тотац	36,652	1,558	24



DISTRIBUTION OF MAJOR EQUIPMENT AS OF 31st MARCH, 1958

Veloc	* * * * * * * * * * * * * * * * * * *			2,
Hose 000's Feet	131 2540 1250 1261 1361 137 137 138 138 138 138 138 138 138 138 138 138	211 88 88 100 82 109	13	3,890
Barges	:::::::::::::::::::::::::::::::::::::::	::,::;:	;= :N	9
Snow- mobiles	: MHHMM ::::H ::::M :::H	: :::::	::=:	14
Riwy. Motor Cars		::::::	::::	44
Tractors	NN4884121005248180987498	: : : : :	≠ 12 12 to	312
Trailers		::::::	::40	205
Trucks and Autos	220 23 33 33 34 34 4 4 7 3 3 3 3 3 3 3 3 3 3	::::::	34.	861
Inb. Motor Boats	יש משא יש מא יש	:::::	:00-4:	59
Outboard Boats Motors	28.88.22.02.44.23.23.23.23.23.23.23.23.23.23.23.23.23.	# !!!!#	28 15 29	800
Out] Boats	130 130 130 130 130 130 130 130 130 130	٠:::::	13 9 9 13 2	493
Canoes	50000000000000000000000000000000000000		19 9 7 15	1,052
Binocu- lars	13222222222222222222222222222222222222	********	13 36	615
Eider- downs	8848 8848 887 887 887 888 888 888 888 88	100 10 10	120 98 154	1,597
Tents	133 1223 1221 100 100 100 100 100 100 100 100 10	63 77 6 14 71	6 77 90	2,438
Blan- kets	1,634 1,856 1,856 1,055 1,055 1,051 1,240 1,445 1,445 1,445 1,445 1,445 1,651	845 894 140 458 1,000	954 206 80	29,505
able nps Hand	735 735 735 735 735 735 735 735 745 745 745 745 745 745 745 745 745 74	513 131 87 139 230	788	8,712
Portable Pumps Power Hand	740 441 10 44 11 11 11 11 11 11 11 11 11 11 11 11	54 30 113 20 20 36	0 :47	1,255
Districts Regions Division (H.O.)	Chapleau Cohane Fort Frances Fort Frances Gegana Gegana Gegana Aspussaing Kenorulle Kenorulle Kenorulle Mestylet Aylmer Bort Arthur Swant Ste, Marie Sioux Lookott Swanthia	CENTRAL SOUTH-CENTRAL. MID-WESTERN WESTERN NORTHERN	Ranger School. Air Service Research	TOTAL

MAJOR EQUIPMENT (AS OF 31st MARCH)

	1944	1945	1946	1947	1948	1947 1948 1949 1950 1951	1950	1951	1953	1954	1955	1953 1954 1955 1956 1957	1957	1958
Portable Power Pumps	634 3.467 1,902	3,556 1,752	710 3,656 1,838	729 4,141 1,922	795 4,309 2,110	838 4,622 2,148	896 5,717 2,144	976 6,154 2,266	1,029 6,206 2,743	1,062 6,406 2,826	1.097 6.362 2,714	1,218 7,907 3,319	1,215 7,899 3,312	1,255 8,712 3,890
Tents. 1,274 1,272 1,267 1,321 1,558 1,611 1,567 1,698 1,841 2,030 1,997 2,376 Eiderdowns. 1,365 1,506 Blankets. 21,122 20,911 22,302 24,928 25,670 24,840 24,104 24,816 27,966 30,314 32,668 31,582	1,274	1,272	1,267	1,321	1,558	1,611	1,567	1,698	1,841	2,030	1,997	1,274 1,272 1,267 1,321 1,558 1,611 1,567 1,698 1,841 2,030 1,997 2,376 2,469 2,438 1,597 1,122 20,911 22,302 2,4,928 25,670 24,840 24,104 24,816 27,966 30,314 32,668 31,582 29,288 29,505	2.469 1,538 19,288 2	2,438 1,597 9,505
Binoculars	170	259	167	229	325	369	382	445	556	575	573	642	609	615
Canoes. Boats (Outboard). Motors (Outboard). Boats (Inboard).	987 248 47	986	977	1,044	1,041 1,051 438 476 61 60	1,051	1,003 231 501 57	1,084 1,142 278 373 552 648 63 63	1,142 373 648 63	1,061 1 379 690 61	1,114 418 752 55	1.087 434 771 64	1,073 459 771 60	1,052 493 800 59
Barges and Scows	:			:	:	:						:	4	9
Trucks and Autos. Trailers. Tractors.	128	130	140	140 201	279	318	400	491	666	730	715 107 101	786 141 121	751 166 134	861 205 312
Railway Motor Cars	48	49	49	47	47	35	44	44	50	49	45	47	46	44
Snowmobiles	:	:	:	:	:	:	:	:	:	:	1	00	10	14
Radio Sets, Stations	206	245	252	279	285	310	347	397	613	989	801	825	899	1,047

MAJOR IMPROVEMENTS (COMPLETED AS OF 31st MARCH)

	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Cabins	527	538	547	561	537	514	534		525	508	489	511	512	547
Storehouses	136	144	152	150	149	150	134		138	143	144	146	189	195
Boathouses	43	59	09	61	56	63	89		72	74	82	83	85	80
Store and Boat Houses	36	27	27	14	17	15	18	18	24	17	24	26	24	24
Bunkhouses	77	63	62	64	57	09	58	09	68	64	65	80	95	102
Offices	29	32	36	36	39	46	54	52	52	61	61	62	72	82
Garages, Carhouses	00	87	89	92	66	93	106	104	114	139	182	208	247	238
Other Buildings	200	213	213	220	269	232	266	280	325	309	391	365	451	532
Hose Towers	55		63	51	62	58	49	41	51	33	30	32	36	36
Wooden Towers	62	63	52	56	52	39	36	32	32	20	19	18	16	6
Steel Towers	225		227	234		231		281	279	279	280	288	292	302
Telephone Lines (miles)	4,727	4,455		3,956	3,769	3,775	3,651	3,567	3,420		3,061 2,810 2,669	2,669	2,216	2,316

	FIRE	Work l	PERMITS	TRAVEL	PERMITS
YEAR	PERMITS	Permits	Men	Permits	Persons
1925	11,962				
1926	13,466				
1927	13,593			6,548	15,669
1928	13,611			15,406	42,566
1929	14,038			20,738	51,443
1930	15,094			36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988			9,774	28,606
1936	18,964			8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,939	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)

	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
29 April 27 May	4 May 25 May	1 May 21 May	4 May 24 May	3 May 17 May	6 May 24 May	7 May 15 May	5 May 19 May	21 April 10 May	26 April 5 May	8 May 5 June	3 May 19 May	26 April 12 May
15 May	14 May 15 May	14 May 3 May	14 May 19 May	8 May 13 May	2 May 11 May	12 May 11 May	15 May	2 May	29 April	12 May	15 May	27 April
					:			:			14 May	:
May				25 May	:			:	:	:		
3 July	16 May	15 May	19 May	17 May	14 May	12 May	18 May	1 May	29 April	18 May	19 May	12 Mas
May				15 May	12 May			30 April	29 April	12 May		10 Ma
May				7 May	· 9 May			13 May	1 May	18 May		S Ma
June				10 May	14 May			12 May	8 July	28 May		23 Ma
:	:	:	:	:	:		9 May	1 May	4 May	11 May	8 May	9 Mas
		:	28 May	27 May	18 May			14 May	:	:		:
6 May	12 May	3 May	15 May	27 April	14 May			1 May	29 April	11 May		
					16 May			10 May	4 May	22 May		10 May
	25 May	23 May	1 June	14 May	16 May	22 May	29 May	17 May	5 May	21 May	17 May	3 May
Anril	24 April	2 May	1 April		21 April	28 April	2 May	:			27 April	10 Apri
to May	16 May	16 May	18 May	13 May	5 May	11 May	18 May	1 May			15 May	10 Ma
May	8 May	2 May	8 May	4 May	30 April	5 May	4 May	30 April	29 April	7 May	8 May	1 Mg
6					3 May	13 May	7 May	3 May			8 May	20 Apri
May	26 May	21 May	1 June	18 May	16 May	18 May	23 May	12 May			18 May	12 Mo
15 May	19 May	16 May .		:	:	:	:	:	:	:	:	:

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)-Cont'd

	4046	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
BASE	0101	o Moss	10 April	2 Anril	17 May	29 April	24 April	21 April	29 April	21 April	11 May	25 April 7 May	23 April 9 May
Algonquin Park	30 April	o Mady	10 May	o May		21 May	10 May 7 May	15 May 14 May	27 May	1 May	1 June	13 May 3 May	15 May 24 April
Chapleau	23 May	ount o	8 May	10 May	16 May 20 May	30 April	8 May	8 May	4 May				:
Biscotasing	ZZ April	11 1444	2000	A Moss	on May	10 May	30 April	29 April		28 April			* 18 April
Eva Lake	27 April 7 May	16 May 20 May	11 May	30 April	24 May	7 May	May	4 May		27 April 27 April	10 May	7 May	S May
Ceraldton		14 May	14 May 27 April	30 April	20 May	24 April	23 April	29 April 5 May	3 May 18 May	22 April 28 April			2 May
Ignace	1 May		10 May	s may	ZZ TAYGY	4444		7 M.	o May	26 April		10 May	4 May
Kenogami		20 May	» Mac	3 May	22 May	10 May 10 May	2 May 1 May	7 May	18 May	27 April	17 May	6 May 29 April	15 April 17 April
Kenora	L' IVI dy	20 MAG			:	:	:	18 April	11 Idv 97	The Capture			2 May
Nym Lake		27 May	S Mac	10 May	8 May	8 May	8 May	10 May	15 May	28 April	16 May	9 May	4 May
Oba Lake	/ May	Z 1 19103	Crame or	and Marie	22 Mars	16 May	7 May	8 May	21 May	1 May	1 June	13 May	**
Orient Bay	7 May		18 May 12 May	13 April	27 April	17 April	23 April	30 Mar.	20 April	18 April 4 May	3 May	6 May	2 May
Pays Plat	30 April	14 May	8 May 18 May	7 May 9 May	18 May 3 June	8 May 17 May	7 May	13 May	2 June	6 May	1 June 30 April	13 May 29 April	16 May 30 April
Port Arthur	30 April		3 May	30 April	19 May	2 May	22 Aprill	ands oc	1 144 0.3				
Red Lake	7 May		13 May	3 May	29 May		3 May	8 May 13 May	21 May 19 May	29 April	21 May	6 May	7 May
Remi Lake	15 May 11 April		10 May 14 April	7 April	6 April	9 April		27 Mar.	13 April 20 May	19 April 27 April	3 May 19 May	10 May	1 May
Sioux Lookout	3 May	20 May 27 May	12 May 1 May	1 May 3 May	27 May 19 May			5 May	5 May	27 April	15 May	6 May	2 May
South Foldings		14	27 April	25 April	12 April	25 April	28 April	20 April	29 April	19 April 26 April	9 May 17 May	1 May 3 May	18 April 2 May
Temagami	23 April	17 May	27 April			- ;						28 April	18 April
Tweed	22 May	8 June	14 May	14 May	30 May	1 May	16 May	13 May 11 May	22 May 18 May	29 April	21 May	10 May	2 May
White River		:									A - 1 L		
TORONTO: Continual operation except December	ontinua Pope	ration excel	pt Decembe	2	*Wo	*Moved to Nym Lake	Lake		**	**Moved to Port Arthur	ort Artnur		

FLYING TIME—PILOTS

PILOTS		1924-57	1957-58	TOTAL
Allen	рw	1,422:35	302:05	1,724:40
Beaushene	GD	1,825:20	261:30	2,086:50
Ballantyne	DE	383:30	261:35	645:05
Burtt	AE	6.101:10	403:05	6,504:15
Buckworth	WB	3.019:15		3,019:15
Calver	DRH	1.456:05	315:05	1,771:10
Campbell	GE	2.104:50	625:15	2,730:05
Colfer	AP	3,124:25	636:00	3,760:25
Cooke	TC	4,557:45	462:25	5,020:10
Croft	BR	1,007.10	37:10	37:10
Cram	WW		46:00	46:00
Culliton	IP	3,906:45	47:30	3.954:15
Denley	ĬĠ	5,679:10	397:15	6.076:25
Dyck	EG	3,079.10	98:30	98:30
Evans	FB	2.929:00	305:50	3.234:50
Fiskar	UW	2,352:50	70:05	2,422:55
Freeman	N	,	31:30	31:30
Glennie	NA	721.50	254:20	976:10
		721:50		2,277:20
Hoar	HA PS	1,982:00 1,525:20	295:20 328:30	1,853:50
Hoeberg				
Hugill	WA	1,075:30	286:20	1,361:50
James	FC	523:35	231:20	754:55
Kincaid	J	5,268:15	515:55	5,784:10
Kirk	CJ	3,033:55	335:10	3,369:05
Krag	BW	95:05	234:20	329:25
Lamont	JA	2,190:45	285:50	2,476:35
LeFeuvre	CJ	7,058:45	486:10	7,526:55
Lowe	В	207:30	292:35	500:05
MacDougall.	FA	4,665:00	128:15	4,793:15
McNally	HD	66:20	194:35	260:55
Parsons	R	6,288:15	290:00	6,578:15
Ponsford	GE	1,279:45	55:45	1,335:30
Poulin	LD	6,892:05	427:05	7,319:10
Reid	DM	3,488:35	211:40	3,700:15
Seigel	J	3,762:00	287:40	4,049:40
Speight	HC	5,057:50	479:55	5,537:45
Stone	RWE	3,717:45	519:00	4,236:45
Smith	AB	5,706:50	359:40	6,066:30
Stewart	AL	407:15	404:15	811:30
Taylor	JM	3,183:50	83:40	3,267:30
Turcotte	LG		255:00	255:00
Thompson	FJ	1,441:35	272:55	1,714:30
Trussler	GE	6.249:55	248:05	6,498:00
Thomas	E	2,106:25	460:10	2,566:35
Other Pilots		163,138:20		163,138:20
		279,996:55	12,506:20	292.503:15

FLYING TIME—AIRCRAFT

Aircraft	1924-57	1957-58	TOTAL
Beaver			
CF-OBS	3,460:30	396:40	3.857:10
CF-OBT	2,886:20	433:50	3,320:10
CF-OBU	2,896:25	239:50	3,136:15
CE-ORV	3.266:05	289:50	3.555:55
CF-OBW	2.826:00	173:25	2,999;25
CF-OBX	3.071:25	268:50	3,340:15
CF-OBY	3.072:20	380:40	3,453:00
CF-OBZ	2,835:55	625:15	3,461:10
CF-OCA	2,573:10	213:05	2,786:15
CF-OCB	3,130:35	358:00	3,488:35
(F-U(C.,	2,735:45	288:00	3,023:45
CF-OCD	2,461:10	307:15	2,768:25
CF-OCE	3,121:15	290:30	3,411:45
CF-OCG	2,340:40	251:55	2,592:35
CF-OCH	2,369:30	251:25	2,620:55
CF-OCJ	2,051:40	255:05	2,306:45
(T()(T) · · · · · · · ·	2,544:10	284:05	2,828:15
CF-OCL	2,539:15	246:30	2,785:45
CF-OCN	2,878:35	304:25	3,183:00
CF-OCO	2,294:15 2.292:00	494:55 272:40	2,789:10 2,564:40
CF-OCP	3,240:05	195:25	3,435:30
CF-OCR	2,811:35	156:30	2,968:05
CF-OCS	3.080:50	303:20	3.384:15
CF-OCT	2.264:00	147:30	2,411:30
CF-OCU	2,517:25	252:15	2,769:40
CF-OCV	2.012:55	258:10	2,271:05
	1,996:35	285:20	2,281:55
CF-OCY	2,078:15	239:55	2,318:10
CF-OCZ	1,606:05	190:55	1,797:00
CF-ODA	1,676:45	245:55	1,922:40
CF-ODB	2,266:40	322:15	2,588:55
CF-ODC	2,627:15	268:50	2,896:05
CF-ODD	586:10	60:10	646:20
CF-ODE	1,150:40	273:55	1,424:35
CF-ODF	1,844:25	416:45	2,261:10
CF:ODG	1,610:25	457:55	2,068:20
CF-ODO	154:10	137:55	292:05
CF-ODS	3:35	69:40	73:15
OTTER			
CF-ODJ	1.034:00	84:05	1,118:05
CF-ODK	1,508:20	18:00	1,526:20
CF-ODL	1,016:45	262:20	1,279:05
CF:ODP	188:40	229:15	417:55
CF-ODQ	244:25	339:05	583:30
CF-ODŤ		377:00	377:00
Widgeon			
	470.40	007.45	460.25
CF-ODR	172:40	287:45	460:25
All Other Aircraft	183,716:10		183,716:10
	279,055:50	12,506:20	291,562:10

AIR SERVICE BRANCH (Summary as of 31st March)

Year	Passengers Carried	Personnel Carried	Total Carried	Effective Carr Tons		Total Hours Flown
1924-49	165,583	89,206	254,789	22,233	1,067	175,289.40
1950	30,687	5,918	36,605	3,432	76	13,530.45
1951	27,140	5,140	32,280	3,366	1,111	11,057.10
1952	30,439	5,410	35,849	3,163	1,616	12,800.20
1953	25,900	5,346	31,246	3,078	1,262	11,888.50
1954	31,109	7,245	38,354	3,918	605	13,564.10
1955	29,256	5,465	34,721	3,428	1,641	12,388.30
1956	46,478	6,723	53,201	6,091	893	17,785.10
1957	28,789	5,099	33,888	3,481	708	11,692.20
1958	28,636	5,349	33,985	3,497	914	12,506.20
1924-58	444,017	140,901	584,918	61,741	1,893	292,503.15

DIVISION OF OPERATIONS

When reorganization of the Department was decided upon in May, 1941, the plan included two Service Divisions, one of which (Accounts Branch) already existed, and the other, a new Division, to service the others by taking responsibility for enlistment of staff, purchase of supplies and equipment, allocation of space, promotions, distribution and pay of personnel and the operation of the central basic records system and messenger service. Placing these matters under one cover relieved the other Divisions and left them free to concentrate on primary responsibilities.

The Chief of the new Service Division was transferred from the Department of Labour in the person of P. O. Rhynas to whom the development of the new Division was committed. The Division was set up in two main sections, Personnel and Office Management and Information and Education of the public. Later, it developed into four sections: 1. Personnel Management; 2. Office Management; 3. Information (press releases, literature including SYLVA, etc.) and 4. Education (lectures, motion pictures, exhibits, etc.). The Division was known as the Division of Operation and Personnel.

On December 1st, 1957, the Minister announced the appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, and certain Head Office Divisions would be consolidated. Thus, the Division of Operation and Personnel became the Division of Operations with Personnel becoming a section of the Department responsible to one Assistant Deputy Minister.

The welfare, training, promotion, distribution and maintenance of a staff as large and widely spread as that of the Department of Lands and Forests is a work of vital importance. To supply such a body with the essentials, places the work in the field of big business.

LECTURE TOURS

Number of Meetings and Attendance

VEAR	Sc	School	PUBLIC	ıc	DEPA	DEPARTMENT TOTAL		C.F.A.
1944	One Lec	One Lecturer Started						
1945	:	65,886	1	5,161	:	71,047	:	
1946	423	53,913	198	17,169	:		:	
			(48	7,389 Camps)	:	78,471	:	
1947	405	50,990	377	22,481	782	83,471	:	
1948	780	101,360	752	58,615	1,532	159,975	:	
1949	876	89,020	655	71,969	1,531	160,989	20	1,511
1950	827	93,895	629	136,293	1,456	230,188	401	83,566
1951	675	80,411	913	75,850	1,588	156,261	1,241	128,052
1952	702	50,900	1,246	84,283	1,948	135,183	1,141	185,552
1953	721	53,679	1,223	86,895	1,944	140,574	611	119,312
1954	1,196	89,835	1,546	95,701	2,742	185,536	792	100,650
1955	1,143	92,381	1,526	116,263	2,669	208,642	:	
1956	1,076	90,540	1,402	107,746	2,478	198,286	703	56,394
1957	1,261	93,672	1,710	127,174	2,971	220,846	674	68,758
1958	972	67,013	1,708	97,334	2,680	164,347	538	68,832

C.F.A. means Canadian Forestry Association.

DIVISION OF PARKS

The Division of Parks was established October 1, 1954.

The Provincial Parks Act, 1954, was proclaimed on December 1, 1954. Section 1 (a) of the Act reads as follows:—" 'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds."

Provincial parks set up in the past have been established by statute, order-in-council, or by regulations made under the authority of a statute. New provincial parks are established by regulations made under The Provincial Parks Act, 1954.

The following is a list of the provincial parks, including provincial picnic grounds and provincial camp and picnic grounds, grounded under the administrative districts in which they are situated. The number of campers and the number of park visitors are for the year ending 31st December, 1958.

Name of Established Provincial Park	No. of Campers	No. of No. of Campers Visitors	Date Established	Authority Under Which Established	Area of Park
CHAPLEAU Five Mile Lake			29 Sept. 1958	29 Sept. 1958 Order-in-Council	1,009,80 acres
Cochrane Greenwater			20 June 1957	O. Reg. 144/57	16.5 sq. mls.
Kettle Lakes	1,863	53,203	20 June 1957	53,203 20 June 1957 O. Reg. 144/57	3.6 sq. mls

DIVISION OF PARKS—Continued

Name of Established Provincial Park	No. of Campers	No. of Visitors	Date Established	Authority Under Which Established	Area of Park
FORT FRANCES Quetico	1,777	30,769	1 April 1909	Order-in-Council	1,795 sq. mls.
Gogama Ivanhoe	:	:	20 June 1957	O. Reg. 144/57	2 sq. mls.
KAPUSKASING Nagagamisis Provincial Camp Remi Lake Provincial Camp and Picnic Grounds	811	24,025	20 June 1957 20 June 1957	O, Reg. 144/57 O, Reg. 144/57	5.9 sq. mls. 154 acres
Kemptville Silver Lake	8,045	53,222	29 Sept. 1958	Order-in-Council	29,56 acres
KENORA Agron. Rushing River. Sloux Narrows Provincial Camp and Picnic Grounds.	2,104 7,833 1,969	12,491 42,955 6,280	29 Sept. 1958 29 Sept. 1958 20 June 1957	Order-in-Council Order-in-Council O. Reg. 144/57	124.27 acres 96.31 acres 284 acres
LAKE ERIE Clay Creek. Holiday Beach. Ipperwash John E. Pearce	19,686	76.080	29 Sept. 1958 6 Oct. 1958 24 June 1938 20 June 1957	Order-in-Council Order-in-Council Order-in-Council O. Reg. 144/57	23.43 neres 205.34 acres 109 acres 28.88 acres

ss ss mIs.	80 80 80 30 80 80 80 30	80 80 80 80 01 01 01 01	sq. mls.	acres acres sq. mls.	sq. mls.	e.
acres acres acres sq. mls.	acres acres acres	acres acres acres	Ds	acr acr	sd.	acres
126 acres 4,066 acres 42.41 acres 8.6 sq. m	85 acres 495 acres 177 acres 116.91 acres	59 acres 100.88 acres 420 acres 70 acres	2,766	100 acres 81.69 acres 63 sq. mls	540	80
Long Point Park Act, II Geo. V., Chap. 35 O. Reg. 229/57 O. Reg. 144/57 O. Rey. 144/57 S7 Vict., Chap. 15	O. Reg. 144/57 O. Reg. 280/57 Order-in-Council Order-in-Council	O. Reg. 144/57 O. Reg. 148/55 Presqu'ile Park Act, 12 Geo. V., Chap. 39 O. Reg. 144/57	Algonquin National Park Act, 56 Vict., Chap. 8	O. Reg. 144/57 Order-in-Council Order-in-Council	Order-in-Council	O. Reg. 144/57
1921 1957 1957 1894	1957 1957 1958 1958	1957 1955 1922 1957	893	1957 1958 1944	944	1957
t. 19	b. 1	ne 1 ly 1 ay 1 ne 1	ay 1	ne 1 pt. 1	n. 1	ine 1
3 May 1921 10 Oct. 1957 20 June 1957 5 May 1894	20 June 19 Dec. 20 Feb. 29 Sept.	20 June 1957 21 July 1955 18 May 1922 20 June 1957	27 May 1893	20 June 1957 29 Sept. 1958 13 Jan. 1944	13 Jan. 1944	20 June 1957
72,157	100,266 153,879 190,679	25,113 243,368 24,191	455,984	9,670	:	:
10,610	9,445	2,505 18,005 2,097	47,064	3,065	:	864
Long Point	LAKE SINCOE Bass Lake Sibbad Point Six Mile Lake Springwater	Lindsay Emily Mark S. Burnham Presqu'ile Serpent Mounds	Pembroke Algonquin	PORT ARTHUR Arrow Lake. Inwood.	SAULT STE, MARIE Lake Superior	Subbury Fairbank

DIVISION OF PARKS-Continued

Area of Park	sq. mls. acres	acres
Area	12 603	23.7
Authority Under Which Established	O. Reg. 144/57 O. Reg. 144/57	Order-in-Council O. Reg. 144/57
Date Established	20 June 1957 20 June 1957	29 Sept. 1958 20 June 1957
No. of Visitors	7,668	10,621
No. of Campers	509	3,288
Name of Established Provincial Park	Swastika Esker Lakes. Kap-Kig-Iwan.	TWEED Black Lake

- O. Reg. 148/55 appears in the August 6, 1955, publication of the Ontario Gazette.
 - O. Reg. 144/57 appears in the July 6, 1957, publication of the Ontario Gazette.
- O. Reg. 229/57 appears in the October 26, 1957, publication of the Ontario Gazette.
 - O. Reg. 280/57 appears in the January 4, 1958, publication of the Ontario Gazette.

Since April 1, 1954, park pionic tables and freplace grills have been placed in provincial parks. This equipment is fabricated in the various Reform Institutions throughout the Province. Labour supplied by the Department of Reform Institutions is being extensively used in park development.

All major park development is being carried out according to master plans prepared by technical

PARKS PENDING ESTABLISHMENT

As of 31st December, 1958

District	Park	No. of Campers in 1958	No. of Visitors in 1958
61 1	n :		
Chapleau	Racine		
Fort Frances	Lake of the Woods One Sided Lake	2,830	8,940
Geraldton	Helen Lake Klotz Lake MacLeod Lake Rossport Whitesand	1,611 1,500 638 277 120	
Kemptville	Rideau River South Nation	2,604 4,065	54,555 52,660
Kenora	Blue Lake Twin Lake	1,950 1,877	3,821 13,227
Lake Erie	Port Bruce St. Williams		
Lake Huron	Craigleith Inverhuron	8,755	51,871
	Sauble Falls	9,807	116,812
Lake Simcoe	Devils Glen	2,395	25,262
	Little Lake		
Lindsay	Eels Creek Oshawa		
North Bay	Antoine Finlayson Point Marten River Samuel de Champlain	1,299 3,726 11,961	14,467 4,725 15,681
Parry Sound	Eagle Lake Grundy Lake Oastler Lake Sturgeon Bay	4,708 11,884 4,395	15,914 67,666 22,634
Pembroke	Carson Lake Golden Lake	3,428	3,588
Port Arthur	Stonecliffe Kakabeka Falls Middle Falls Shebandown	1,454 2,467 2,651	6,634 70,370 30,048
	Shuniah Wolfe River	1,414	38,831
Sault Ste. Marie	Batchawana Bay Pancake Bay	1,805	2,755
Sioux Lookout	Frog Rapids Pakwash Perrault Falls	513	
Cudhama		2,990	44,896
Sudbury Swastika	Windy Lake		
	McCann	2.250	05.240
Tweed	Lake St. Peter Mazinaw Lake Outlet	2,250 2,964	25,348 11,971
	Sandbanks		

ATTENDANG	CE AT IN	TERPRE	TIVE PR	ATTENDANCE AT INTERPRETIVE PROGRAMMES		PUBLI	IC USE OF]	PUBLIC USE OF PROVINCIAL PARKS	PARKS
Museum*		Nature Trails*	Con- ducted Hikes	Lectures	Child Camps	No. of Parks	No. of Vehicles	No. of Campers	No. of Visitors
:	;	6,173	:	1,593	:	:	:	:	
:	:	5,390	:	2,675	:	:	:	:	
2	200 14	4,341	·	3,769	:	:	:	:	
53,844		12,761	:	7,263	:	:	:	:	
72,839		18,920	:	11,078	:	:		:	
75,711		25,388	1,943	6,595	1,448	:	:		
91,246		23,125	2,046	9,001	1,815	2.1		86,641	
119,200		806,92	2,824	10,760	1,949	39	629,666	162,705	2,114,661
146,681		40,617	3,973	14,799	2,790	45	927,871	276,128	3,232,460
103,200		38,182	1,835	11,393	1,890	:	:	47,064	445,984
22,740	•	:	1,251	1,789	:	:	:	12,823	692,453
7,752	52	375	472	140	765	:	:	2,727	46,768
4,889	89	165	103	206		:	:	1,777	30,769
:	:	,895	312	971	135	:	:	18,005	243,368
8,100	00		:	:	:	:	:	2,097	24,191

*Registered attendance only. Actual attendance was much higher.

PERSONNEL SECTION

When the Division of Operation and Personnel was separated under the administrative structural changes affected on December 1st, 1957, Personnel became a Section responsible to Assistant Deputy Minister G. H. U. Bayly.

The staff of this Section is responsible for the interviewing and recruitment of job applicants, Job Analysis and Position Classification as well as Salary and Wage administration, Employee Relations, Performance Standards, Staff Training and Development, Transfers, Promotions, Separation Discipline, Safety and Workmen's Compensation.

Mr. S. H. C. Parsons is the Section Supervisor.

ADMINISTRATIVE DISTRICTS

Areas in

	FISH AND WILDLIFE CONTROL ADMINISTRATIVE DISTRICTS	Water To
ORESTS	FISH AND WA	Land
AND F		Total
OF LANDS	FIRE PROTECTION	Water
DEPARTMENT OF LANDS AND FORESTS	FIRE P	Land
n Square Miles	ADMINISTRATIVE Districts	COLUMN

ADMINISTRATIVE	FIRE	FIRE PROTECTION		FISH AND V	FISH AND WILDLIFE CONTROL ADMINISTRATIVE DISTRICTS	NTROL
LISTKICIS	Land	Water	Total	Land	Water	Total
Chapleau	5,953	629	6,582	5,953	629	6,582
Cochrane	14,690	1,106	15,796	63,282	4,206	67,488
Fort Frances	5,218	1,348	6,566	5,820	1,379	7,199
Geraldton	18,734	2,605	21,339	18,734	986'9	25,630
Gogama	5,867	443	6,310	5,867	443	6,310
Kapuskasing	18,399	191	19,166	18,399	767	19,166
Kemptville	:	: : :		5,197	452	5,649
Kenora	9,321	3,030	12,351	9,321	3,030	12,351
Lake Erie	:	:		6,796	5,826	12,622
Lake Huron	:			8,781	6,977	15,758
Lake Simcoe	220	19	239	4,665	1,489	6,154
Lindsay	2,374	206	2,580	5,079	1,710	6,789
North Bay	4,969	616	5,585	4,969	616	5,585
Parry Sound	5,490	691	6,181	5,552	2,952	8,504
Pembroke	4,157	361	4,518	4,714	434	5,148
Port Arthur	13,869	4,681	18,550	13,869	4,681	18,550

*412,582	78,747	333,835	201,099	29,036	172,063
135,439 12,808 5,405 8,637 9,451	5,062 283 1,932 3,051	112,860 7,746 5,122 6,705 6,400	40,660 7,881 5,405 3,314 6,921	6,912 1,259 283 265 521	33,748 6,622 5,122 3,049 6,400

* Total area of the Province of Ontario includes part of Great Lakes.

** St. Joseph Island (143 square miles) is included in Sault Ste. Marie District for all purposes except Fire Protection.

*** Manitoulin, Cockburn, Fitzwilliam, Lonely, Great Duck, Western Duck and Barry Islands (1,124 The area of Sudbury District for Administrative purposes is 11,684 square miles, including waters of square miles, excluding lakes) are included in Sudbury District for Fish and Wildlife Control only. the North Channel and Lake Huron within the territorial district of Manitoulin Island.

DISTRICT — CHAPLEAU

OFFICE: Corner Lorne and Beach Streets.

District Forester T. W. Hueston Assistant District Forester J. D. Scott
Supervisors
Accounts . G. J. Murray Fish and Wildlife V. Crichton Forest Protection L. Ridsdill Lands . W. E. MacPhail Reforestation D. E. Gage Parks . W. E. MacPhail Timber Management J. D. Scott
Chief Rangers
Biscotasing W. P. O'Donnell Chapleau L. T. Cecile
DISTRICT — COCHRANE OFFICE: Court House.
District Forester F. L. Hall Assistant District Forester D. A. Fawcett
Supervisors
Accounts
Chief Rangers
Low Bush R. Woodall Cochrane S. Russell Timmins C. R. Gray

DISTRICT - FORT FRANCES

Office: 232 Scott Street.

District Forester							3.3.7	T	Foster	
District Forester				۰			VV.	١.	roster	
Assistant District	Uan						337	0	Dver	
Assistant District	L OI	E51	.er				VV.	U,	Dver	

Supervisors

Accounts						
Fish and Wildlife						H. Pearson
Biologist						C. Elsey
Forest Protection						F. Miller
Surveys and Park	S					L. Rawn
Reforestation .						J. Mullen
Timber Managem	en	t				H. Henry

Chief Rangers

Fort Frances						S.	V. Ryan
Atikokan .						F.	Dustak

DISTRICT — GERALDTON

Office: 1821 Main Street (upper floor).

District Forester							C	E	MacKinnon
District Lorester							O.	30.	Macixillion
Assistant District	F	010	oct	OT			B	R	Renson

Supervisors

Accounts							R. J. Langford
Fish and Wildlife							C. E. Perrie
Biologist							J. Goddard (Acting)
Forest Protection							R. V. Brady
Lands and Parks						٠	A. Grasser
Reforestation							D. Skeates
Timber Managem	01	ı f					F C Robinson

Chief Rangers

Longlac							H. K. Whalen
							J. A. Murphy
							A. J. McGoey
							J. S. Anderson
MacDiarmic	1.						H. R. Redding

DISTRICT — GOGAMA

Office: Town of Gogama.

District Forester
Supervisors
Accounts J. Vance Fish and Wildlife J. Macfie Forest Protection J. Canfield Lands D. J. Shaw Parks A. E. Walroth Reforestation D. J. Shaw Timber Management J. McKnight
Chief Rangers
Foleyet J. R. Languerand Gogama P. Bellevance
DISTRICT — KAPUSKASING
Office: Kapuskasing, Ontario.
District Forester J. S. Ball Assistant District Forester J. Dickenson
Supervisors
Accounts J. Carswell Fish and Wildlife O. Lewis Forest Protection F. Dodds Lands T. Murphy Parks W. A. Perrin Reforestation P. Hare Timber Management E. F. Anderson
Chief Rangers
Kapuskasing J. H. Clavelle Hearst . J. Shalla Oba B. Wilson

DISTRICT - KEMPTVILLE

Office: Kemptville, Ontario.

Name and a state of
District Forester W. A. G. Thurston Assistant District Forester
Supervisors
Accounts F. S. Bumstead Fish and Wildlife . D. Sylvester Biologist . J. B. Dawson Forest Protection . E. A. Greene Lands and Parks . E. A. Greene Reforestation . H. R. Grinnell
Nursery
Kemptville H. H. Devries
DISTRICT — KENORA
Office: 213-15 Main Street.

District Forester F. E. Sider Assistant District Forester W. Bastedo
Supervisor
Accounts G. McChesney Fish and Wildlife P. Thompson Forest Protection B. T. Dunne Lands J. Wynd Parks G. C. Myers Reforestation D. J. Vance Timber Management W. Bastedo
Chief Rangers
Kenora J. Mackay Minaki J. L. Hamill Ignace P. Nicoll Dryden J. Anderson

DISTRICT — LAKE ERIE

OFFICE: Aylmer West, Ontario.

District Forester J. K. Reynolds Assistant District Forester
Supervisors
Accounts G. B. Fewings Fish and Wildlife E. L. Skuce Biologist J. D. Roseborough Forest Protection Lands Parks K. A. Cameron Reforestation C. H. Zavitz Timber Management
Nursery
St. Williams W. Bunting
Parks
Rondeau R. McLaren Pinery K. Cameron Ipperwash J. Matheson
DISTRICT — LAKE HURON
Office: R.R. No. 1, Hespeler, Ontario.
District Forester E. K. E. Dreyer Assistant District Forester
Supervisors
Accounts
Lands

DISTRICT - LAKE SIMCOE

Office: Maple, Ontario.	
District Forester	A. W. Leman J. Fraser
Supervisors	
Accounts	F. Waghorne J. S. Ellis J. Fraser
Lands	S. R. Hamilton
Nurseries	
Angus	A. E. Lewis J. Halpenny
Parks	
Sibbald's Point	D. R. Cutts
DISTRICT - LIN	DSAY
Office: 24 William Street North.	
District Forester	D. R. Wilson J. R. Keddie
Supervisors	5
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Reforestation Timber Management	. G. Buie . J. C. Weir . W. Kitt
Biologist Forest Protection Lands Parks	G. Buie J. C. Weir W. Kitt F. Flood P. R. Davidson E. F. Johnston J. R. Keddie
Fish and Wildlife Biologist Forest Protection Lands Parks Reforestation Timber Management	G. Buie J. C. Weir W. Kitt F. Flood P. R. Davidson E. F. Johnston J. R. Keddie
Fish and Wildlife Biologist Forest Protection Lands Parks Reforestation Timber Management Chief Rangers	G. Buie J. C. Weir W. Kitt F. Flood P. R. Davidson E. F. Johnston J. R. Keddie P. J. Cassidy W. Sarginson

DISTRICT — NORTH BAY

OFFICE: 263a Main Street North.

District Forester W. B. Clarke Assistant District Forester

Supervisors

Accounts E. Rogers
Fish and Wildlife A. M. Hodgson
Biologist J. F. Gage
Forest Protection G. MacAdam
Lands W. Turnbull
Parks A. D. Tremblay
Reforestation C. Howard
Timber Management R. Lockhart

Chief Rangers

Temagami P. Hoffman North Bay L. L. Bronson

ONTARIO FOREST RANGER SCHOOL

Dorset, Ontario

Director J. L. Mennill Accounts T. Craine

Instructors

T. H. Croswell E. Goodman G. Pennock W. P. Small

DISTRICT - PARRY SOUND

Office: 34 Sequin Street.

A
District Forester M. A. Adamson Assistant District Forester R. A. Balkwill
Supervisors
Accounts . R. E. Harrison Fish and Wildlife . N. McNaughton Biologist . F. Walden Forest Protection . D. Burns Lands . W. Cubitt Parks . E. Diamond Reforestation . W. K. Fullerton Timber Management . R. A. Balkwill
Chief Rangers
Parry Sound R. E. Simpson Powassan W. J. Barber
DISTRICT — PEMBROKE
Office: 68 Pembroke Street.
District Forester R. C. Passmore Assistant District Forester J. W. Giles
Supervisors
Accounts . G. Bragg Fish and Wildlife H. E. Deedo Biologist K. Irizawa Forest Protection J. J. Tait Lands J. Orme Parks J. E. Collard Reforestation C. R. Groves Timber Management J. W. Giles
Chief Rangers
Pembroke R. N. Cousineau

63

Parks
Algonquin G. Phillips

Whitney H. Hanes

DISTRICT — PORT ARTHUR

DISTRICT — PORT ARTHUR
Office: Forestry Building, Algoma Street North.
District Forester W. L. Sleeman Assistant District Forester J. B. Rorke
Supervisors
Accounts J. Chadwick Fish and Wildlife D. J. D'Agostini Biologist R. Ryder Forest Protection M. Sauerbrei Lands W. Jarvis Parks W. Bliss Reforestation L. Eckel Timber Management W. W. Wahl
Chief Rangers
Port Arthur W. Taylor Black Sturgeon H. G. Reynolds Shebandowan
Nursery
Fort William E. M. Cressman
DISTRICT — SAULT STE. MARIE
Office: Airdrome Building.
District Forester J. W. Lockwood Assistant District Forester G. M. Longley
Supervisors
Accounts J. C. Kindness Fish and Wildlife C. L. Perrie Forest Protection T. Woodside Lands L. Smith Parks G. McKinney Reforestation A. Crealock Timber Management D. S. Bruce
Chief Rangers
Blind River J. A. Huppe Sault Ste. Marie C. Tregonning Sand Lake E. Montgomery

DISTRICT - SIOUX LOOKOUT

W. G. Cleavely

Office: 38 Front Street.

District Cornetor

Assistant District Forester J. E. Barnes
Supervisors
Accounts
Parks V. W. Fisk Reforestation J. K. Gaughan
Chief Rangers
Armstrong . H. S. Anderson Pickle Lake . E. Guertin Red Lake . D. R. Williams Sioux Lookout . F. J. Atkinson DISTRICT — SUDBURY
Office: 7 Cedar.
District Forester G. A. Hamilton Assistant District Forester E. A. Lewis
Supervisors
Accounts G. Jennings

Chief Rangers

Skead							V. Bragg
Espanola							E. Morin
Sudbury .							W. Wetow

Fish and Wildlife C. Bibby
Biologist W. C. Morris
Forest Protection G. Bulloch
Lands A. S. Blair
Parks A. W. Chalk
Timber Management J. F. Flowers

DISTRICT - SWASTIKA

Office: Swastika, Ontario.	
District Forester	G. F. Coyne W. Armstrong
Accounts	H Michiel
Fish and Wildlife	D. Waldriff
Forest Protection	G. Barna
Parks	H. Mattson
Timber Management	
Chief Rangers	
Elk Lake	V. L. Wilson
Superintendent	A. H. Peacock
DISTRICT TU	/FFD
DISTRICT — TW	EED
DISTRICT — TW	/EED
Office: Tweed, Ontario. District Forester	
Office: Tweed, Ontario. District Forester	J. M. Taylor J. D. Hughes W. H. Porch H. S. Dornan R. W. Whitfield McKinley Wilson A. E. Beach H. Cantelon J. D. Hughes
Office: Tweed, Ontario. District Forester Assistant District Forester Supervisors Accounts Fish and Wildlife Biologist Forest Protection Lands	J. M. Taylor J. D. Hughes W. H. Porch H. S. Dornan R. W. Whitfield McKinley Wilson A. E. Beach H. Cantelon J. D. Hughes
Office: Tweed, Ontario. District Forester Assistant District Forester Supervisors Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Reforestation Timber Management Chief Rangers	J. M. Taylor J. D. Hughes W. H. Porch H. S. Dornan R. W. Whitfield McKinley Wilson A. E. Beach H. Cantelon J. D. Hughes

DISTRICT - WHITE-RIVER

OFFICE: White River, Ontario.

Mobert

Assistant District										
		-								
		S	up	er	vi	SO:	rs			
Accounts										P. Yade
Fish and Wildlife										C. W. Douglas
Forest Protection										D. M. Peacock
Lands and Parks										J. Small
Reforestation .										J. D. Griffiths
Timber Managem	en	t								R. Baxter
		C	h	ief	R	laı	ng	er	S	

Jamestown C. Macdonald Franz E. A. Melin

. V. E. Niemi

PERSONNEL REPORT TO YEAR ENDING 31st MARCH, 1958

	EME	PLOYME	EMPLOYMENT STATUS*	JS*			UNIVE	RSITY D	UNIVERSITY DEGREES OR TITLES	OR TIT	TES	Workmen's Compensation	COM	PENSATION
VEAR	Perm.	Cont. Temp.	Total Casual		Licensed Scalers	Ranger School Grads.	Forest-	Biolo- gists	Civil Engrs.	Misc.	Total	No. Claims		Cost
												δO	4	12 850 33
1944	310	268	578	397	:	:	:	:	:	:	:	0 0 0	9	44 540,00
945	324	305	629	929	:	:	:	:	:	:	:	120		14,540.02
046	373	318	691	573	:	:	:		:	:	:	129		14,248.70
1047	523	562	1.085	527	:	:	:	:	:	:	:	182		21,560.24
070					. :		:	:	:	:	:	328		27,189.07
040	1 167	106	1 262	562				:		:	:	494		35,989.21
1949	1,107	170	1,303	100							:	501		50,989.11
	1,552	_ ,	400,1	200				C C	c	1.2	187	394		43,950.68
1951	1,420	_	1,561	/10	., ,	107	0 2 4	2 4 6) L	1 4	205	368		54.157.82
1952	1,441	181	1,622	790	,	7227	158	07	n 1	2 ,	000	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		E1 168 27
1953	1,518	158	1,676	680	381	293	166	33	2	10	077	417		51,100.02
1954	1.546	175	1,721	633	391	331	172	36	9	23	237	494		04,093.23
1055	1.618	142	1.760	727	392	379	174	39	N	26	244	455		63,350.59
1056	1,611	, –	1 701	655	404	425	139	34	9	27	206	910		.06,962.46
1930	1,011	· -	7.7	929	7	461	182	34	9	27	249	588		85,158.76
1958	1,685		1,819	3,	7	504	181	40	9	24	251	727	-	101,376.46
*Exti	a fire f	ighters	*Extra fire fighters not included.	ded.	Z	OTE: Me	dical and	Hospita	d fees ha	ve inc	reased g	NOTE: Medical and Hospital fees have increased greatly in recent years.	nt ye	ars.

DISTRIBUTION OF JUNIOR RANGERS (SUMMER MONTHS ONLY)

Estates	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
							14	1.51	23	26	40	46	39	38	35
Chapleau							10	2.1	26	36	39	45	39	35	24
Cochrane					4	34	1					14	16	14	14
Fort Frances							: 0	10	10	1.5	35	24	27	48	50
Geraldton						: 9	2 1	12	21	25	34	43	2.7	38	35
Gogama					. 0	0 0	14	1.2	12	2.1	32	43	33	28	34
Kapuskasing	:			:	С	0.1	4	1							:
Kemptville						:	: -				10		10	11	25
Kenora			:	:		:	1 1								
Lake Erie															
Lake Huron				:	:	:	:								
Lake Simcoe	:						- 1			- 14 - C		. 7			
						12	15	+	14	67	67	10			
Lindsay		1 2	1.0	000	2.1	26	27	2.1	22	30	38	38	38	48	36
North Bay	2;	5	7 7	1,0	200	10	00	12	12	15	20	25	46	35	36
Parry Sound	11	19	2 7	71	000	40	42	3.2	32	35	42	51	48	42	34
Pembroke		:	71	6.7	07	2			13	15	11	00	24	13	36
Port Arthur	:						20	20	31	37	09	53	75	73	99
Sault Ste. Marie	:	10	27		CI	1	1	0	12	21	19	:	11	13	12
Sioux Lookout	:	:	. L			26	16	14	14	23	24	42	26	51	46
Sudbury	:	,	CI	CI	0 00	28	32	24	24	27	31	11	43	24	24
Swastika	:	:	:		21	101	18	15	24	29	32	26	:	:	:
Tweed	:		:		1 .	:	12	111	22	23	28	42	62	39	40
White Kiver		-				1		0.4.0	0.40	402	234	547	614	550	565
Тотм	2.1	40	20	92	148	237	289	747	312	403	5 1 1				

DIVISION OF RESEARCH

Created in 1941 as part of the Departmental reorganization, this Division was committed to J. A. Brodie, B.Sc.F.

Mr. Brodie was succeeded by R. N. Johnston, B.Sc.F., on completion of certain other scientific activities in connection with the war program.

Some highlights for the past year are:

Silvicultural treatments of yellow birch were shown to be effective in improving germination, survival and height growth.

The Research Division established the first test plantations of red spruce in Ontario, preparatory to the introduction of this species into the planting programs of the Department.

The importance of mechanical scarification became recognized as a necessary measure in the establishment of regeneration of fail sites.

The experimental use of silvercides as a silvicultural tool was expanded. Control of undesirable competitive growth is the objective.

Bare-root grafting proved most successful in white pine tree breeding.

Fisheries studies have given most definite indications that the abundance of smallmouth bass is dependent on water temperatures during the hatching year; not on the number of spawning fish.

Synoptic surveys were made in Lake Erie, similar to those previously conducted in Georgian Bay and Lake Huron, as part of the program to determine the physical characteristics of the Great Lakes.

An experimental study was made of methods of censusing moose from the air. A helicopter was used to make the first accurate checks of census figures obtained by observers in Beaver aircraft.

The annual report to March 31st reveals the details of extensive research which cannot be tabulated, but is of vital importance in conservation of natural resources.

DIVISION OF SURVEYS

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

1764-1801	Surveyor-General
1801-1805	Surveyor-General
1806-	Surveyor-General
1807-1829	Surveyor-General
1832-1835	Surveyor-General
1836-1838	Surveyor-General
1838-1840	Surveyor-General
1841-1845	Surveyor-General
1880-1917	Director of Surveys
1918-1928	Director of Surveys
1928-1936	Deputy Minister/ Surveyor-General
1936-1946	Surveyor-General
1946-	Surveyor-General
	1801-1805 1806- 1807-1829 1832-1835 1836-1838 1838-1840 1841-1845 1880-1917 1918-1928 1928-1936

^{*} Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chap. XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

Township boundaries were surveyed in the vicinity of Kingston in 1784, under instructions from Samuel Holland, the Surveyor-General of Northern District of North America,

[†] Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

[‡] Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

By Order in Council dated the 18th of November, 1791, the Province of Quebec was divided into two Provinces, to be called the Province of Upper and Lower Canada. Upper Canada was to include all the territory to the westward and southward of the line described, which is the present eastern boundary of Ontario, to the utmost extent of the country commonly called or known by the name of Canada.

Various systems of surveying the townships into lots or sections for disposition of Crown land have been adopted. The periods during which these systems were used and the types of systems are as follows:

1783-1818—single front 1787-1813—front and rear 1818-1829—double front 1829-1851—2,400-acre block 1835-1906—1,000-acre block

1859 — Townships 6 miles square—no road allowances—Townships divided into 36 sections.

1872 —Townships 6 miles square—no road allowances—6 concessions and 12 lots.

1876 —Township—similar manner to Dominion Land Survey system—36 sections with 1½ chain road allowances around each section.

1906 —1,800-acre blocks.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River—1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake—1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The general prosperity and employment is reflected in the requests for Crown lands for summer resort camp sites. Approximately 400 such resorts were surveyed in 1946 and 1,269 in 1956. This work has necessitated the retracement surveys, where the original surveys had become obliterated, particularly in the Muskoka, Parry Sound and Haliburton areas.

In 1922 the Department commenced sketching and mapping types of forested areas from oblique aerial photographs. Since 1926 vertical photographs have been used and in 1954 an aircraft of the Otter type was purchased for aerial photography. Aerial photographs had been taken by members of our staff of an area of approximately 248,323 square miles up to March 31st, 1958.

The Beds of Navigable Waters Act was passed in 1911 and The Water Powers Regulations Act in 1916 and, by virtue of these Acts, leases have been granted for development of power plants with a total installed capacity of 2,561,000 horse-power. The installed capacity of plants not under lease from the Province is estimated to be 2,900,000 horse-power. This includes the plants at Niagara.

Under the provisions of The Lakes and Rivers Improvement Act, plans of all dams constructed on rivers and streams must be submitted to the Department of Lands and Forests for approval before being constructed. The Department regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation, the propagation of fish and wildlife and forest protection.

LANDS BRANCH

The fact that the Department of Crown Lands came into being in 1827 has its own significance. In the then growing Province land was the big item. They burned timber to get at it, the prime need being cultivation and there was a limited market for lumber.

Before that, however, Upper Canada became a Province with its own legislature. The Hon. John Graves Simcoe's proclamations and the tiny legislatures enactments made the first administrative efforts.

The influx of U. E. Loyalists, the manipulations of Colonization land companies and the impact of immigration brought their problems.

Clergy Reserves were the cause of discontent and the war of 1812, and the rebellion of 1837, were tribulations of the land administrators.

The Lands Branch of the Provincial Administration actually came into being, however, in 1827 under the Hon. Peter Robinson. Some of its problems are recited in the first printed annual report in 1857.

The annual report for 1867 states, "Previous to Confederation separate accounts were not kept of the Woods and Forests revenue". Lands had been the thing. The basic titles of all privately owned land in Ontario are in its records.

It became a Division (formerly known as Lands Branch) in 1941. On December 1st, 1957, it became a Lands Branch again in consolidation with the Surveys Division.

RE. PINE TREE RESERVATIONS IN FREE GRANT PATENTS

Commencing immediately subsequent to Confederation, the Act of 1868, being 31 Victoria, Chap. 8, reserved pine trees on land located as free grants, but passed the pine trees to the grantee with the land when patent issued.

The above provision obtained until 1880 when by 43 Victoria, Chap. 4, pine trees were reserved in locations subject to certain restricted cutting permitted by locatees, but when patent issued, all the pine trees were reserved to

the Crown. This applied to all patents issuing subsequent to March 5th, 1880, and the reservation of pine trees continued through to 1937 except that in 1913, there was an amendment to The Public Lands Act which provided that where land was not in timber licence and the locatee was in residence with improvements, he could request that pine trees be included in the patent, or in the event that patent had previously issued he could request a pine patent.

The Free Grants and Homesteads Act of 1908, provided for the opening of land with the approval of the Lieutenant-Governor in Council, which had not previously been opened and which had not for any reason been withdrawn from settlement and upon such land being opened all patents of land therein included the pine trees if the land was not under timber licence.

Note: The Rainy River Homesteads Act, being Chap. 30 of the Statutes of 1897, reserved by sections 12 and 13 all the pine trees in the location, but all pine trees remaining on the land at the date of patent passed with the patent. This provision was carried through into the Consolidation of Acts relating to public lands and is incorporated in The Public Lands Act of 1913.

Note: The territorial District of Rainy River included the present Districts of Rainy River and Kenora up to 1908, when by The Territorial Divisions Act the area was separated into what is now known as the Districts of Fort Frances and Kenora.

FREE GRANT LAND In Fiscal Year Ending March 31st

Vear	Locations	Acres	Cancellations	Acres	Assignments	Acres	Patents	Acres Patented
1944	. 20	2,694		64,783	89	113,10	218	28,610
1945	. 21	2,308		83,655	116	14,441	226	29,266
1946	. 49	5,737	545	61,459	120	14,214	216	26,068
1947	. 73	8,243		51,906	122	15,523	168	21,668
1948	. 67	8,649		48,578	64	8,415	164	22,119
1949	. 49	5,872		30,536	. 54	7,085	107	14,360
1950	. 48	6,192		40,732	62	7,200	196	24,287
1951	. 28	3,608		35,371	56	7,747	150	19,826
1952	. 27	3,411		19,785	37	5,060	165	21,411
1953	. 36	4,655		21,874	25	3,452	120	16,131
1954	. 24	2,757		30,784	19	2,618	136	17,713
1955	. 17	1,823		25,755	7	1,005	87	11,219
1956	. 20	2,708		12,661	4	517	59	7,501
1957	00	878		8,727	1	151	47	6,089
1958	9 .	796		6,950	1	156	48	6,483

AGRICULTURAL LAND SALES, ETC. In Fiscal Year Ending March 31st

Vear	No. of Sales	Acres (No. of Cancellations	Acres	No. of Assignments	Acres	No. of Patents	Acres.
	E C	21 024		39.615		20,124	359	43,845
	272	31,737		40 6 54		16.002	315	36.307
1045	269	27,158		49,031		10,00		26 60
	291	26.535		42,933		17,464		30,00
940	100	20,00		20.470	222	22,801		52,189
	303	101,67		27.060		21.667		32,92
1948	280	29,506		37,009		100177		26.43
	277	28 740		35,095	_	12,392		20,40
656	- 1	26,671		32.452		12,145		35,483
	107	10,02		22,134		7.673		28,10
	195	19,778		10,10		7 21 2		26.47
	223	24,420		13,358		0101		
	186	21.065		21,645		7,560		29,3
	7 7 7	14 524		13.049		4,484		29,123
1954	144	14,004	164	17 277	92	4.131		21,2
	158	15,232	101	11,011		2,000		17
056	117	12,230	184	18,513		3,003		
	60	8 683	191	19,038		1,461		14,882
	70 0	000,000	17.4	17 087		807		15,471

SUMMER RESORT LANDS

In Fiscal Year Ending March 31st

Patents Acres			127 421		-		_	_		. ,		,	. 4					
		2								_	_	_			_			
its Acres	:			υ,	15	37	180	139	10,	6	6	316	12	7.	4,	1,	#	1
Assignments	:	2	:	33	6	14	37	34	40	38	50	35	40	37	28	. 12	17	13
is Acres	00	₩	:	25	20	35	9	69	218	610	112	148	183	447	166	183	124	53
Cancellations	4	1	:	10	11	11	9	26	45	. 11	62	7.5	73	76	84	108	61	36
Acres	516	423	462	948	1,180	1,411	1,841	1,700	2,336	2,512	2,484	2,769	2,278	2,133	1,871	1,614	928	1,678
Sales	. 169	. 126	. 169	. 344	. 459	. 535	999 .	. 700	010,1	. 1,202	. 1,360	1,601	1,290	. 1,435	. 1,278	1,176	. 714	. 1,344
Vear	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958

LAND USE PERMITS In Fiscal Year Ending March 31st

			Residence								
Year	Hunt	Trappers Cabin	and Garden	Agricul- ture	Marsh Hay	Mill	Sugar Bush	Boat House	Misc.	Dept. Houses	Rondeau Park
And provide the country for the provide the country of the country											
1944	157	00	429	68	94	105	6	27	00 00	:	:
1945	254	30	392	114	63	137	:	31	131	89	
1946	321	31	398	138	95	156	:	44	251	236	
1947	391	25	570	201	38	172	10	56	95	330	:
1948	464	4.7	489	233	15	197	2	80	307	377	:
1949	543	33	446	129	57	170	2	7.7	370	501	255
1950	786	18	386	122	67	175	4	42	265	1,262	143
1951	2007	32	261	99	26	231	9	79	299	1,617	148
1952	866	13	259	47	34	239	:	76	643	1,758	153
1953	957	:	299	34	24	187	1	69	400	1,671	167
1954	1,064	4	224	35	19	169	:	41	563	1,964	191
1955	1,220	29	246	34	10	180	6	102	683	2,046	
1956	1,234	200	435	130	29	216	N	216	453	2,543	:
1957	1.248	328	459	84	36	215	S	237	537	2,613	
1958	1,352	218	514	79	37	184	φel	252	200	2,858	

Variations are, for the most part, due to cancellations or issue of patents.

AERIAL SURVEYS

VERTICAL PHOTOGRAPHY, 1957-58:		
Forest Resources Inventory—New	. 800 square	miles
" —Revision .	. 7,395 "	41
(Vertical Photography of Southern Ontario on scale of 20 chains to inch completed)		и
Mapping		
Mosiac Panels	. 8,500 square	miles
Total Area Photographed and	Sketched	
from 1924 to March 31st,		
(Excluding area photographed und	er contract)	
Aerial Sketching	. 26,903 square	miles
Oblique Photography	. 10,790 "	**
Vertical Photography	. 210,630 "	ee
Area Photographed During the Pa	ast Ten Years	

1948-49	. 7,239 square	miles
1949-50	. 13,353 "	11
1950-51	. 3,471 "	tt.
1951-52	. 16,464 "	u
1952-53	. 12,743 "	46
1953-54	. 16,490 "	46
1954-55	. 9,050 "	44
1955-56	. 17,358 "	tt.
1956-57	. 7,303 "	4
1957-58	. 8,195 "	ee

(98)
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FISCAL VEAR	1948	1949	1950	1951	1952	1953	1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958	1955	1956	1957	1958
DEPARTMENT OF LANDS AND FORESTS:	1077	000	4 4 6 4 4 6 6 3 11 88 3		15 900	9.950	648 15 900 9.950 14,047	8,333	8,333 15,778 7,303 8,195	7,303	8,195
Forest Resources Inventory	0,031	7000'5	1,004			475	892	390			
Base and Meridian Lines	177	: :	50	. 00	. 00	535	186	274	274 480		
restant Dame Commission	1.938	737	318	186	79	S		40			
Hydro-Electric Fower Commission	200	172		:							:
Department of Mines	2000	1007	1 028 1		371	1,557	371 1,557 1,220		1,100	:	
Planning and Development	384	477		863	114	370	145	13			:
Department of Highways	30			:		:					:
Daniel min Labor Co	:	108	:	:	:	:	:				
O. M. Faper Co.		30		:		:	:	:		:	
This of Total of Tota	:	44	25			:				:	:
Fort William/Port Arthur	:	:	20					:		:	
TOTALS	11,613	7,239	13,353	3,471	16,464	12,892	16,490	9,050	17,358	7,303	8,195

LITHOGRAPHED MAP DISTRIBUTION

	FISCAL YEAR	1948	1948 1949	1950	1951	1952 1953	1953	1954	1955	1956	1957	1958
	National Topographic	11,215	15,241	17,013	21,435	11,215 15,241 17,013 21,435 24,139 30,310 34,459 48,283 48,604	30,310	34,459	48,283	48,604	50,013	62,048
	20 A (Free)	1,975	1,975 4,800	1,896	2,81	2,096	1,990	2,734	1,990 2,734 3,045	2,113	2,212	1,831
82	District	7,373	8,169	7,560	6,73	9,426	8,156	9,254	8,156 9,254 12,137 10,475 11,687 12,592	10,475	11,687	12,592
	Island	168	357	1,255	650	932	791	593	209	882	671	345
	42 A (Townships)	206	1,004	510	370	285	330	216	459	576	398	491
	33 A (Electoral)	25	169	152	61	311	207	64	250	839	190	126
	Miscellaneous	1,100	2,030	5,062	3,433	3,292	4,150	5,167	8,766	1,254	12,776	1,890

DISTRIBUTION OF LITHOGRAPHED MAPS

					Provincial		
Fiscal Year	Free Issues	District Maps 1	Miscellaneous	Other	Issues	National Topographic	Grand
947	3,650	7,378		2,513	16,644	10,535	27,179
948	1,975	7,373		669	11,147	11,215	22,362
040	4,800	8,169		1,530	16,529	15,241	31,770
050	1,896	7,560		1,917	16,435	17,013	33,448
0.51	2,814	6,730		1,081	14,058	21,435	35,493
0.52	2,096	9,426		1,528	16,342	24,139	40,481
5.50	1,990	8,156		1,328	15,624	30,310	45,934
4.00	2.734	9,254		873	18,028	34,459	52,487
r r	3.045	12,137		1,316	25,264	48,283	73,547
0.50	2,113	10,475		2,297	16,139	48,604	64,743
1957	2,212	11,687	12,776	1,259	27,934	50,013	77,947
000	1.831	12.592		962	17,275	62,048	79,323

"Other" Represents Island, Township and Electoral Maps "National Topographic", except those for official use, are for resale.

DIVISION OF TIMBER

The first timber sales were made in Ontario in 1826, previous to this date the only persons authorized to cut timber on public lands were contractors for the Royal Navy, or those holding licences for them. In 1827 the system of sale of timber licences by public auction at a lump sum bonus price in addition to Crown dues was established, this system for the sale of Crown timber licences remained generally unchanged until 1903. From 1903 to 1924, timber sales were made on a basis of bid per thousand feet board measure or other unit of measure over and above Crown dues at which it could be sold, with prices tendered above the Crown dues and upset price being considered as bid price, this in general is the basis for the present sales.

From 1826 to Confederation there was a total area of 12,000 square miles under timber licence, from which \$100,000.00 was collected for bonus. During the period 1866 to 1903, when the last lump sum bonus sale was made, an additional 12,000 square miles was placed under licence, the average bonus received on these sales was about \$2,000.00 per square mile.

The Doyle Rule was the recognized rule for measuring timber sales in Ontario from 1879 to 1953 at which time the Ontario Rule was adopted.

The fiscal year 1908-1909 shows the largest cut of red and white pine in Ontario's history, that year 192,000,000 cu. ft. were cut, since that time the cut has gradually been reduced.

Up until 1935 the management of timber resources in the field was looked after by Crown Timber Agents who dealt with Head Office direct, since that time all phases of Forest Management have been under the control of the District Forester in each District.

In 1946 the Division of Timber Management commenced a survey of the exploitable forest resources of the Province. Since that date 284,908 square miles have been aerial photographed, 249,155 square miles planimetric mapped, 35,753 square miles photo mapped, and has field sampled 138,759 square miles, in addition to this, companies have supplied forest data on 80,000 square miles which has been incorporated into the inventory material from which Inventory Reports have been published on 20 Districts

Cull studies, and growth and yield studies have been carried out in most of the Districts within the Province under the Forest Resources Inventory program, publications covering the results of these surveys are being prepared.

LICENSED AREAS, 1947-1954

Year	Number of Licences	Timber Licences Area	Pulpwood and Timber Agreements	Total of Area Licensed
				sq. mi.
1947	906	11,710	56,745	68,455
1948	945	12,095	66,254	78,349
1949	906	11,975	66,980	78,955
1950	849	11,913	69,860	81,773
1951	811	10,810	74,257	85,067
1952	815	10,892	83,316	94,208
1953	793	10,802	87,007	97,809
1954	763	11,292	87,007	98,299

TIMBER LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1955 1956 1957 1958	. 748 . 604	6,435.50 6,140.05 5,600.65 5,354.80	85,075.40 88,273.71 89,952.49 98,149.46	21.10 170.26 200.94 181.33	91,532.00 94,585.02 95,754.08 103,685.59

MILLS LICENSED, 1947-1954

	THILLIAN DE	CELIGED, I.	718-1701	
Year	Sawmills Under 5M Feet	Sawmills 5M To 30M Feet	Sawmills Over 30M Feet	Pulp Mills And/Or Paper Mills
1947	506	655	42	35
1948	544	661	49	35
1949	562	681	40	35
1950	597	713	43	35
1951	667	682	53	35
1952	640	676	58	35
1953	624	681	58	31
1954	631	642	56	29

MILL LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

Year	Sawmills Under 10,000 ft. Daily Capacity	Sawmills From 10-50,000 ft. Daily Capacity	Sawmills Over 50,000 ft. Daily Capacity	Pulp Mills and/or Paper Mills	Total of Mills Licensed
1955	1,120	159	58	29	1,366
1956	1,115	162	59	29	1,365
1957	1,120	160	57	29	1,366
1958	1,124	158	57	29	1,368

VOLUME OF WOOD CUT IN ONTARIO (000's Cubic Feet in Years Ending March 31st)

1956

1052

	13.766 284 5.050 99.907 32.521 207,392 56 2,536 2,536 2,536	7,627 3,989 19,244 1,982 789
	14.374 459 5,321 88.664 33,679 205,320 2,401 2,401 348,352	7,437 4,441 16,921 1,813
	14,093 738 3,872 81,779 30,528 175,66 3,001 25 3,001	7,506 2,265 12,955 1,802
1704	13,223 97 4,368 75,488 27,612 103,447 16,2354 2,354	8,589 2,207 15,756 1,293
1955	11,860 197 5,808 81,644 34,62 155,873 3,396	8,623 3,043 14,272 1,577
1952	16,057 234 8,933 108,859 34,334 251,831 10 4,677	7,892 3,592 22,049 1,530
1951	12,547 96 6,679 85,604 30,605 207,318 673 673	6,679 2,361 12,478 568
1950	9,418 127 5,753 58,775 25,886 134,310 719 719	6,303 1,976 6,036 1,166
1949	13,802 126 6,299 81,862 30,459 174,652 1,546 1,546	5,541 2,499 13,653 1,054
1948	15,003 180 5,272 85,245 26,315 208,678 1,951	4,764 2,053 11,576 1,652
1947	11,563 139 5,731 78,964 25,614 188,645 1,1185	4,092 1,797 14,190
1946	15,146 77 5,462 62,712 30,550 193,286 7 944	3,214 1,527 6,087
Species	Sortwood Balsam Gedar Hembok Jack Pine Spruce Spruce Fuelwood Others	HARDWOOD Birch Maple Poplar
	97	

33,630 395,054

25,081

28,536 691 315,141

321,835 896 28,483

461,334

1,335 36,398

1,145 23,231 366,761

1,148

23,807 1,054 1,061 332,568

> 1,755 364,751

21,679 1,020 580 333 524

836 964 12,628 220 812

Fuelwood

250,727

924 31,536 379,888 12,039

11,473

10,756

10,428

in \$000....

TOTAL VALUE

REFORESTATION BRANCH

Reforestation was first undertaken by the Ontario Government in 1905 when a small quantity of seedlings was grown at the Ontario Agricultural College at Guelph for use in reforesting waste lands. This nursery was transferred to St. Williams when the first Forest Station was established therein 1908. The program was developed under the Ontario Forestry Branch in charge of Dr. E. J. Zavitz, who became Chief of the new Division of Reforestation when the Department of Lands and Forests was reorganized in May, 1941.

In the administrative structural changes announced on December 1st, 1957, the Division of Reforestation was consolidated with the Division of Timber and became the Reforestation Branch.

The main function of the Branch is the restocking of forest lands by sowing seed and planting trees to protect water supplies and soil, to provide habitat for game and fish, and to sustain the forest and allied industries, for the general benefit and welfare of present and future generations in the Province.

The Branch's services are available for private lands although The Forestry Act, 1952, limits the purposes and areas for which nursery stock may be furnished and imposes charges to be made for trees furnished in respect of such lands.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1958

See	D PLANTS																		I	SI	YEA	R ISHED
	Angus																					1923
	St. Williams																					1908
		·	•			•	•															
Nu	RSERIES																					
	Chapleau .																					1956
	Englehart .																4					1955
	Fort William	1.																				1946
	Gogama															٠						1956
	Kemptville																					1946
	Midhurst .																					1922
	North Bay		٠																			1954
	Orono																					1922
	Sault Ste. M	ari	ie																			1956
	St. Williams																					1908
	White River	٠	٠			٠					٠				٠	٠						1956
De	MONSTRATION Angus	San e (nd Pr	Base Base Base Base Base Base Base Base	an se	ks F	ore	est	est)													1923 1920 1946 1946 1946 1922 1922 1940 1908 1942
	DI	SP	08	SIT	ΓI	Ol	N	O	F	NI	UF	RS	EF	RY	. 5	ST	00	CK	ζ.			
		In	1 }	e e	ır	Eı	nd	led	I N	Иa	rc	h	31	st	, 1	95	8					
Pla	nted on Crow	n T	aı	nds																	9.81	2,131
	nted in Forest																					7,310
	plies to Owne																			1		3,099
	icational and																					4,960
	scellany, Depa																					27,962
	res at Plantin																					8,800
	TOTAL																			2	25,85	54,262

SUMMARY OF NURSERY STOCK FURNISHED FROM NURSERIES OPERATED BY THE DEPARTMENT

PERIOD									TOTAL TREES
1905-1912									1,480,539
1913-1925									13,096,866
1926									4,433,409
1927									7,104,319
1928									11,138,985
1929									12,789,568
1930									11,175,894
1931									11,846,920
1932									10,303,569
1933									9,422,463
1934									9,760,730
1935									10,663,155
1936									10,109,772
1937									11,261,644
1938									12,339,993
1939									16,921,906
1940									17,266,697
1941									13,511,299
1942									11,303,187
1943									10,522,917
1944									10,999,379
1945									11,280,981
1946									13,175,575
1947									12,269,533
1948									13,049,776
1949									17,700,970
1950									19,027,807
1951-1952									20,749,268
1952-1953									24,241,754
1953-1954									23,448,860
1954-1955									25,519,383
1955-1956									28,351,483
1956-1957									31,081,112
1957-1958									25,854,262
T	OTA	LI							493,203,975

TREES PLANTED ON CROWN LANDS IN ONTARIO

ADMINISTRATIVE DISTRICT	1953-54	1954-55	1955-56	1956-57	1957-58
and and an		60 974	68.796	69,123	188,177
Ayımet		127,000	572,040	1,004,100	789,600
napleau		451 175	490,262	791.800	525,118
Ochrane		54.250	04.550	535,000	629,800
ort Frances		22,500	18,025	224.600	363,180
eraldton		2,000	3,066	330,231	400,000
Gogama		27,035	51,328	64,912	40,210
Tesperer		202,900	225,000	626,425	461,100
Napuskasing		79,678	82,770	168,088	12,192
Nemptyme		48,800	143,650	252,200	243,600
Nenora.		320,124	496.755	929,760	709,165
Lindsay		377,152	594,734	311,817	205,713
Maple		80,102	457,988	189,900	196,025
Demis Sound		1 077,180	1.052,994	1.188,600	672,984
Party Sound		1 029,100	1.045,500	1,239,300	598,965
Pembroke		314 698	167.599	783,799	1,036,628
Coult Sto Mexic		997,472	874,000	1,474,375	854,840
Sault Ste, Marie.		18,250	61,000	104,000	120,000
Slour Lookout		170,607	161,912	384,050	305,217
adubation of the contract of t		271,000	471,500	803,050	747,105
Zwasuka		554,425	590,265	938,195	486,924
I Weed	20,800	20,110	23,625	73,450	209,625
Toronto					5,863
Ranger School.			10,500	13,000	10,100
TOTAL	4,917,135	6.316,432	7,757,859	12,499,755	9,812,131

TREES FURNISHED FOR PLANTING ON PRIVATE LANDS

COUNTY OR DISTRICT	1953-54	1954-55	1955-56	1956-57	1957-58
Algoma	153.250	276.650	271.350	239,350	316,525
Brant	125,350	221,600	166,675	243,950	105,775
Brilde	186,900	202,165	190,150	121,625	162,100
Carleton	117,600	113,950	155,675	106,425	157,175
Cochrane	22,350	700	13,700	11,600	8,200
Dufferin	446,650	555,125	890,575	1,191,975	594,375
	47,500	26,975	49,650	36,800	43,225
Durham	1,557,975	1,271,050	1,558,125	1,294,825	1,078,025
	279,300	174,550	230,875	216,650	125,775
T Salar	84,025	47,925	45,925	40,525	34,650
Frontenac	52,600	77,075	76,850	77,475	76,500
Glengarry	13,650	18,675	19,050	15,025	12,825
	48,200	123,100	51,575	26,700	62,650
Crev	470,875	628,075	687,950	569,955	590,375
Haldimand	83,650	63,225	57,050	52,725	25,000
Haliburton	91,425	111,675	161,250	162,825	174,525
Halton	375,575	320,775	275,200	164,700	150,650
Hastings	228,625	260,650	390,900	498,500	301,425
Huron	301,800	299,500	314,695	282,000	252,175
Kenora	1,275	26,500	9,950	13,850	8,100
Kent	113,850	107,650	131,975	119,175	70,575
Lambton	180,225	229,975	118,625	113,475	118,950
Lanark	138,275	157,100	177,425	146,775	178,950
T ppda	98,200	58,775	58,700	48,300	44,900
Lennox and Addington	79,075	50,425	60,500	103,200	126,400
Lincoln	45.075	49.825	57.800	48,350	32,800
Monitoulin	12,450	69,525	269,600	309,650	151,300
mailtouring					

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER

	2000	1,500	232,500	12,800	59,000			195,600			000.99	17,100		956,613	24.000	333,400	10,000	129,247	13,500	86,500	23,200	2,230,960
11 450	136,050	10,000	276,500	36,700	10,000	10,000	35,925	228,650	000.000	7,000		20,000	26,600	1,125,108	30,000	349,950	34,500	14,600	113,200	86,800	108,200	2,731,233
	215 000	3,000	134,400	37,300	14,220	7,200	58,750	155,000	3,600	22,600	250,100	18,400	43,650	1,289,825	21,400	401,750	85,300	29,000	61,500	165,300	95,900	3,113,195
		7,000	241,750	18,450	84,300	000'6		244.900	65,100	48,850	299,638			1,285,495		307,200	253,925	20,000	20,400	49,000	53,600	3,220,508
	343 550	51.400	353,600	24,000	16,000			195,600	15,225		232,275	2,250		1,187,125	45,700	375,025	158,800	105,500	4,000	131,500	12,600	3,254,150
50.00	14.656.35	2,042.00	6,608.00	1,545.63	1,339.00	100.00	2,100.00	5,176.00	786.00	180.00	4,894.00	1,800.00	733.00	23,063.83	221.00	14,513.27	1,524.45	7,045.00	710.50	799.30	3,472.00	93,359.33
Brant.	Bruce	Dufferin	Grey	Halton	Huron	Kent	Lanark	Leeds and Grenville	Lennox and Addington	Middlesex	Northumberland and Durham.	Ontario	Oxford	Prescott and Russell	Kentrew	Simcoe	Stormont, Dundas, Glengarry.	Victoria	Waterloo	Wentworth	York	SUB-TOTAL
	50.00	50.00 11,450 111,450 111,450 115,000 115,000 115,000	50.00 14,656.35 343,550 181,900 215,000 136,050 2.042.00 51,400 7,000 3,000 10,000	\$0.00 14,656.35 343,550 181,900 215,000 136,050 2,042.00 51,400 7,000 33,000 10,000 6,608.00 353,600 241,750 134,400 276,500	50,00 14,656.35 2,042.00 2,042.00 51,400 7,000 24,750 1,545.03 24,000 1,545.03 24,000 18,450 14,400 16,00	\$0.00 14,656.35 2,042.00 51,400 6,608.00 1,545.63 2,4,000 1,539.00 16,000 1,339.00 16,000 16,	\$0.00 14,656.35 2,042.00 6,608.00 6,608.00 1,545.63 1,339.00 1,600 1,000	\$0.00 2,042.00 5,1400 6,608.00 5,33,600 1,545.63 1,545.63 1,000 1,0000 1,0000 2,100.00 1,00	\$0.00 14,656.35 2,042.00 5,1400 6,608.00 1,545.63 1,545.63 1,545.63 1,000 1,0	\$0.00 14,656.35 2,042.00 6,608.00 1,545.60	\$0.00 14,656.35 2,042.00 2,042.00 6,608.00 1,545.00 1,339.00 1,000 1,339.00 1,545.00 1	\$0.00	\$0.00	\$0.00 14,656.35 2,042.00 2,042.00 5,1400 1,545.63 1,545.63 1,545.63 1,539.00 1,000	\$0.00	14,656.35 343,550 181,900 215,000 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 15,1400 136,050 15,1400 136,050 15,1400 15,1400 14,220 10,000 16,000 14,220 10,000 10,000 16,000 16,220 10,000 16,000 16,220 16,000 16,000 16,220 16,000 15,100 15,000 15,100 15,000 15,000 180,000 15,250 15,100 15,000 180,000 180,000 232,275 299,638 256,100 20,000 180,000 2,250 180,000 2,250 180,000 2,250 180,000 2,250 180,000 2,250 1,285,405 1,285,405 1,285,600 21,400 30,000 2,21,000 45,700 2,21,000 45,700 21,400 1,255,100 21,400 1,255,100 2,21,000	14,656.35 343,550 181,900 215,000 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 14,220 16,000 14,3930 14,519 14,220 16,000 14,000 14,000 14,000 14,000 155,000 16,000 155,000 16,000 155,000 155,000 156,000 156,000 156,000 156,000 156,000 156,000 16,	\$50.00 \$1,456.35 \$343,550 \$181,900 \$2,150.00 \$16,500 \$2,042.00 \$1,400 \$2,042.00 \$1,400 \$1,545.00 \$1,554.00 \$1,55	14,656.35 343,550 181,900 215,000 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 153,000 153,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 155,000 155,000 156,000 1	\$0.00 14,656.35 343,550 181,900 2,042.00 2,042.00 3,1400 2,042.00 3,1400 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,545.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,540.00 1,520.00 1,530.00 1,540.00 1,550.00 1,550.00 1,550.00 1,550.00 1,50	\$0.00	14,656.35 343,550 181,900 215,000 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 136,050 15,350 16,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 16,000 155,000 155,000 156,000 156,000 156,000 156,000 156,000 156,000 156,000 16,000 156,000 156,000 156,000 156,000 156,000 156,000 156,000 156,000 156,000 156,000 12,000 12,000

1957-58	25,000	115,906	159,500 20,600 209,500 193,650 193,650 44,700 37,803 99,400	3,267,310
1956-57	10,250 25,000 88,950 60,375	184,575	100,675 66,000 165,000 128,800 128,800 13,925 74,000	4,041,108
1955-56	14,000	139,750	51,150 8,500 321,800 89,400 74,500 11,780 103,000 20,000	946,130
1954-55	40,000 47,000 114,950 103,000	304,950	122,800 59,975 372,850 25,800 166,075 34,150	1,039,250
1953-54	62,500 25,000 30,000	217,500	73,300 363,530 68,300 159,900 74,295 74,295	870,275 4,341,925
ACREAGE TO MARCH 31st 1958	60.00 808.44 100.00 200.00 430.80	1,599.24	2,419,00 7,128,00 7,128,00 2,017,00 1,022,00 3,709,00 4,485,00 16,25,00 5,989,00 3,105,00	32,867.50
TOWNSHIP	Bonfield	SUB-TOTAL	Ausable. Big Creek Gunaraska. Grand Humber Middle Mattand Moira. Napanee. Otter Creek Saugeen	SUB-TOTAL

ONTARIO RELATED TO CANADA

Province	AREA SQ. MILES	POPULATION 1956	Entered Confederation
Alberta	255,285	1,123,116	Sept. 1, 1905
British Columbia	366,255	1,398,464	July 20, 1871
Manitoba	246,512	850,040	July 15, 1870
New Brunswick	27,985	554,616	July 1, 1867
Newfoundland	155,364	415,074	Mar. 31, 1949
Nova Scotia	21,068	694,717	July 1, 1867
Ontario	412,582	5,404,933	July 1, 1867
Prince Edward Island	2,184	99,285	July 1, 1873
Quebec	594,860	4,628,378	July 1, 1867
Saskatchewan	251,700	880,665	Sept. 1, 1905
Yukon	207,076	12,190	Organized June 13, 1898
Northwest Territories	1,304,903	19,313	Reconstituted Sept. 1, 1905

Source: Canadian Almanac, 1959.

A RECONSTRUCTION OF CANADA'S POPULATION RECORD

1851-1951*

Year	Births	Deaths	Immigration Emigration	Emigration	Population at End of Decade	Ontario Population Since Confederation
1759	:		:		.(Total White) 60,000	
1851					2,436,000	
061-61	1 281 000	611,000	209,000	86,000	3,230,000	
004171	1 369 000	718,000	187,000	377,000	3,689,000	1,620,000
071 01	1 477 000	754.000	353,000	439,000	4,325,000	1,926,000
001 01	1 538 000	824.000	903,000	1,110,000	4,833,000	2,114,000
001-91	1,556,000	828.000	326,000	505,000	5,371,000	2,182,000
001-01-01-01-01-01-01-01-01-01-01-01-01-	1 031 000	811 000	1,782,000	1.067,000	7,207,000	2,527,000
901-11	2 338 000	1 018 000	1.592,000	1,330,000	8,788,000	2,933,000
911-21	2,333,000	1.053.000	1.195,000	967,000	10,377,000	3,431,000
921-51	2 291 000	1 070 000	150,000	241,000	11,507,000	3,787,000
931-41	3 205 000	1,216,000		380,000	14,009,000	4,597,000
955					15,575,000	
056				:	16,081,000	
1959 (Tan. 1)					17,284,000	5,887,000

*Taken from "The Growth of Canadian Population" by Nathan Keyfitz.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION—February 28th, 1928.

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

(1) Three-fifths of cost contributed by Canada, \$500,351.52.

Two-fifths of cost contributed by Ontario, \$333,567.67.

(2) Canada pays to Ontario annually: five per cent interest on net outlay (\$333,567.67) and total cost of maintenance and operation of the dam. But as the water is developed (now 43.84%) Canada reduces the amount of interest payable and charges Ontario with two-fifth part of maintenance and operation costs.

By such proportion of respective amounts as the water head developed and used bears to the total developable head, due to the construction of the dam.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

 Use of Beckwith Island for Grouse Research— October 7, 1949.

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

 Use of Certain Areas in Camp Borden for Research in Silviculture—January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

(1) Use and occupy from 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;

- (2) lect boundary posts and housing for instruments;
- (3) Ing water and power into the area;
- (4) Ge right of entry to the area and right to use mor vehicles in the area.

4. ESTABLIHMENT, MAINTENANCE AND OPERATION OF:

- (1) Fost Insect Laboratory at Sault Ste. Marie;
- (2) Lalratory of Forest Pathology, at Maple, Sepumber 30th, 1952.

Agreemet between Canada (Department of Agriculture) an Ontario (Department of Lands and Forests) replaces -iginal agreements of 28th April, 1945, and July 5th, 949.

- Co-ogration in control of forest insects and forest diseass through entomological and pathological studie;
- (2) Ontaro agrees to provide, maintain, repair and heat fr the use of the Division of Forest Biology the tw laboratories;
- (3) Canad provides research personnel and equipment for the aboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- Result of studies, advice and assistance will be available to Ontario;
- (6) Advisor: Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Revision of agreement by a six-months' notice given by either party.

5. Agreements Under Canada Forestry Act

 December 20th, 1956, partly amended on March 27th, 1958.

Agreement between Canada (Department of Northern Affairs and National Resources) and

Ontario (Department of Lands and irests) by which Canada undertook to share cos of:

- (1) completing forest resources invenry;
- (2) maintaining forest resources inveory;
- (3) reforesting certain crown land and other lands owned by public authoritic
- (4) establishing and maintaining nueries.

This agreement replaces previous one of 3th January, 1952, and extends the Federal Assistance unt March 31st, 1961.

The Federal share amounts to: (1) and (250 per cent of total cost; (3) \$10.00 for each reforested un (1,000 trees) by planting or \$1.00 for each reforested ut (1 acre) by seeding on unoccupied crown land; (4) 20 er cent of the cost.

5. B. June 20th, 1957. Agreement beween Canada and Ontario by which Canada assis the Province to achieve adequate forest fire protection by sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years 1st April, 1957, to 31st of March, 1962.

- 50 per cent of the cost of equpment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- 50 per cent of the cost of erecting building to be primarily used for forestare protection;
- (3) 50 per cent of the cost of cuarter or employment of aircraft and vesses for forest fire protection;
- (4) 25 per cent of the cost of fuildings primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$273,676.00 for 1959-60). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

 Januar 16th, 1950. Fur Management Agreement betwee Canada (Department of Mines and Resources) and Otario (Department of Lands and Forests) for the purpose of mutual assistance in the management and devlopment of fur resources in order to provide better lielihood for Indians.

Agreement effective from April 1st, 1950, until March 31st, 190. Relates to that part of the Province of Ontario ving north of the French and Mattawa Rivers. Canada shares in the cost of maintaining and exterling fur management services in the amount of \$75,000 per annum. Ontario must spend at least \$150,000 nnually on such services. A special Fur Management Committee (two Ontario and one Canada prince) was created "in order to plan expenditures, advise in the development and management of fu resources within the agreement".

7. May 9th, 958 and July 30th, 1958. Agreement by exchange c letters between the Deputy Minister of National Efence, Canada, and the Deputy Minister of Lands and Forests, Ontario, of 9th May, 1958, and 30th July, 1958, respectively. Loan of a vessel, H.M.C.S. lort Dauphine, by the Department of National Difence to the Department of Lands and Forests for Geophysical Research in Great Lakes.

No hiring clarge. Ontario to take responsibility for manning, recuirs and insurance of the vessel.

UNEMPLOYMENT RELIEF

FEDERAL PROVINCIAL AGREEMENTS WHICH EXPIRED IN 1958-59

 January 2nd, 1958 and January 17th, 1958. By exchange of letters between the Minister of Northern Affairs and National Resources (Canada), and the Minister of Lands and Forests (Ontario), Canada agreed to share 50 per cent in the cost of improvements of the Provincial Parks expended by Ontario between January 2nd and May 30th, 1958.

Purchase of land excluded. At least 50 per cent of expenditure must be used on payment of wages. Total Assistance—\$582,792.58.

 February 7th, 1958. Agreement between te Government of Canada and the Government of Ontario relating to Federal Assistance for the contruction of forest access roads.

Carada shares 50 per cent in the cost of onstruction c orest access roads expended between anuary 2nd and June 30th, 1958. No less than 50 percent of that cost must be expended in wages. Total Assistance—\$727,814.26.

CO-OPERATIVE AGREEMENTS IN COURSE OF NEGOTIATIONS

 FEDERAL-PROVINCIAL FORESTRY RESEARCH AGREEMENT.

Ontario to provide and maintain working accommodation for research staff and equipment.

Canada to provide staff and equipment.

2. Federal-Provincial Agreement on Silvicultural and Forest Fire Research.

Ontario to provide and maintain laboratory accommodation. Canada to provide research staff and equipment.

F45 75

STATISTICAL REFERENCE OF

ANDS AND FORESTS **ADMINISTRATION**

1960



DEPARTMENT OF LANDS AND FORESTS

W. SPOONER

F. A. MACDOUGAIL **Deputy Minister**



FOREWORD

This booklet contains a statistical record of the Ontario Department of Lands and Forests and has been prepared for the convenience of the public.

The Department would appreciate notice of any errors.

NOTE

Owing to delays incidental to the accumulation of data annually in some parts of the administration the information herein quoted from the annual reports is for a preceding period.

Forest Protection and commercial fishing figures are by force of circumstance for the preceding calendar year.

The year columns denote the annual report in which the figures appeared.



TABLE OF CONTENTS

Page

Premiers of Ontario since Confederation	1 2 3
Division of Accounts	
Division of Accounts Revenue and Expenditures Cash Receipts Fish and Wildlife Cash Receipts Provincial Parks Cash Receipts Timber Cash Receipts	4 5 6 7-8 9 10
Division of Fish and Wildlife	
Division of Fish and Wildlife. Bounties, Wolf and Bear Breeding Stock on Fur Farms. Revenue from Pelts, Exported or Tanned. Value of Pelts, Exported or Tanned. Fur Returns by Game Management Districts Prosecutions, Seizures, Fines. Hunting and Angling Licences Sold. Production of Fish Hatcheries. Distribution of Hatchery Fish. Ontario Fisheries Yield by Waters. Ontario Fisheries Yield by Species. Commercial Fishing Equipment.	111 122 133 144 153 100 177 188 199 20-22 233 244 253
Division of Forest Protection	
Division of Forest Protection Air Service Branch Forest Fires, Acres Burned Over Forest Fires by Districts, 1959 Forest Fires by Origin Forest Fires by Detection and Size Estimated Fire Damage Major Equipment Major Improvements Forest Protection Permits Air Base Opening Dates Pilots' Flying Times Aircraft Service Record. Hours Flown on Various Operations Department Radio Stations, Call Signs	26-28 29 30 31 32 33 34 35-36 37 44 45-47
Division of Operations	1.6
Division of Operations Lecture Tours Education and Information Services Purchasing and Supply	48 49 50 51

TABLE OF CONTENTS Continued	Page
Division of Parks	LAGE
Division of Parks	53
Personnel Section	
Personnel Section Classification of Personnel Administrative Districts Map of Ontario, showing Districts Centre District Supervisors Employment Status, Technical Personnel Junior Rangers Distribution	58 59 60-61 Spread 62-73 74 75
Division of Research	
Division of Research	76-77
Division of Surveys	
Division of Surveys Lands Branch Free Grant Land Agricultural Land Sales Summer Resort Land Sales and Surveys Land Use Permits Aerial Surveys. Map Distribution	83 84 85 86 87-88
Division of Timber	
Division of Timber Reforestation Branch Licensed Areas, Licensed Mills Volume of Wood Cut by Species Timber Cut in Ontario. Timber Cut in Districts Management Units, Management Plans Reforestation Establishments. Summary of Nursery Stock Furnished Trees Planted on Crown Lands. Trees Furnished to Private Lands Trees Planted on Managed Forests Forest Areas Managed by the Minister.	91 92 93 94 95 96 97 98 99 100-101 102-103
Miscellaneous	
Population and Area of Provinces. Canada's Population Record. Federal-Provincial Co-operative Agreements. Historical Highlights.	106 107-111

Premiers of Ontario Since Confederation

	From	To
Hon. John Sandfield		
Macdonald	July 16, 1867	Dec. 19, 1871
Hon, E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat	Oct. 25, 1872	July 9, 1896
Hon. A. S. Hardy	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon, Sir J. P. Whitney	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard		
Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury	Nov. 14, 1919	July 16, 1923
Hon. G. H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G. S. Henry	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn	July 10, 1934	Aug. 21, 1942
Hon. G. D. Conant	Oct. 21, 1942	May 18, 1943
Hon. H. C. Nixon	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	

Commissioners and Ministers During the Period 1827-28 to 1959

Hon. Peter Robinson Hon. R. B. Sullivan Hon. John Davidson Hon. A. N. Morin Hon. D. B. Papineau Sir John A. MacDonald Hon. J. H. Price	July 17, 1827 July 14, 1836 July 23, 1841 Oct. 13, 1842 Sept. 3, 1844 Dec. 8, 1847 Mar. 11, 1848	July 14, 1836 June 30, 1841 Oct. 12, 1842 Dec. 11, 1843 Dec. 7, 1847 Mar. 10, 1848 Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851 Aug. 17, 1853	Aug. 17, 1853 Aug. 26, 1853
Hon. A. N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon Sir E. P. Tache	Jan. 27, 1855	April 30, 1857
Hon. Louis V. Sicotte	June 16, 1857 Nov. 25, 1857	Nov. 24, 1857 Aug. 1, 1858
Sir. A. A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P. M. Vankoughnet	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell Hon. Stephen Richards	Mar. 30, 1864 July 1, 1867	June 30, 1867
Sir Matthew C. Cameron.	July 25, 1871	July 25, 1871 Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon, E. J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A. G. McKay	Nov. 22, 1904	Feb. 8, 1905
Hon. J. J. Foy	Feb. 8, 1905 May 13, 1905	May 13, 1905 Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G. H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G. H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N. O. Hipel	May 27, 1941 Aug. 17, 1943	Aug. 17, 1943 Nov. 28, 1946
Hon. H. R. Scott	Nov. 28, 1946	June 3, 1952
Hon. W. S. Gemmell	June 3, 1952	July 7, 1954
Hon. C. E. Mapledoram.	July 7, 1954	July 4, 1958
Hon. J. W. Spooner	July 23, 1958	

Deputy Ministers Since Confederation

1867	Andrew Russell
1868	Andrew Russell
1869	THOMAS H. JOHNSON
1887	AUBREY WHITE
1915	ALBERT GRIGG
1921	WALTER CAIN
1941	FRANK MACDOUGALI

ACBREY WHITE was first appointed to the staff as Crown Lands Agent for part of Muskoka, on April 30, 1878, at \$500 per annum. He was a practical man who knew the bush and the country, and he was appointed Clerk in the Woods and Forest Branch, January 1, 1882, at \$1,700 per annum. Mr. Johnson died in January, 1887, and Mr. White was appointed in his stead. Mr. White's recommendations led to the first forest fire protection organization in 1885.

ALBERT GRIGG was a former Member of the Legislative Assembly from Bruce Mines, who resigned in 1921. He was an ardent dry and has been perennial mayor of Bruce Mines for many years. Pioneer stock.

Walter Cain was appointed Clerk in the Lands Branch by the Hon. Elihu J. Davis. He taught school, worked in saw mills and took his B.A. at Varsity while employed. After Mr. Grigg resigned, Mr. Cain was appointed acting Deputy and later confirmed in the position. He was in his day one of the Capadian Greats on the lacrosse field. Superannuated in 1941, he died in 1954.

Frank MacDougall started at the bottom. After excellent service in the Canadian Army during the 1914-1918 war he served on the temporary staff, took his degree as a Forest Engineer at Varsity, was appointed to the permanent staff, May 15, 1923, became District Forester at Sault Ste. Marie, Superintendent of Algonquin Park, obtained pilot's license, undertook special investigations, and was appointed Deputy Minister in 1941. He headed the reorganization activities of the succeeding years.

DIVISION OF ACCOUNTS

A service division in the Department, formerly known as the Accounts Branch. This Division is charged with the fundamental responsibility of accounting for the entire department, the collection of all revenue and the payment of all expenditures. Re-organized in 1942 under the direction of Mr. J. G. McMillen, accounting methods and procedures were modernized and mechanized to provide complete internal control of the department's revenue and expenditure. The Division is also responsible for the administration of The Provincial Land Tax Act and with the inclusion of the former Department of Game and Fisheries in 1946, the issuing of Fish and Wildlife licences.

The following tables will give an indication of the tremendous growth of the department over the past quarter century and the resultant increase in the accounting requirements.

DEPARTMENT OF LANDS AND FORESTS

Revenue and Expenditures in Years Ending 31st March

\$3,949,922.39 \$ 2,932,706.88 2,932,706.88 2,128,974.35 2,327,744.94 860,909.93 3,476,648.75 3,476,648.75 3,476,648.75 4,692,010.17 4,692,510.10 5,557,901 4,692,510.10 4,602,513.94 6,567,183.32 6,567,183.32 6,567,183.32 10,456,221.70 11,410,322.16 10,922,652.37 10,962,652.37 11,9062,1652.37 11,9062,1652.37 11,9062,1652.37 11,9062,1652.37 11,160,162,1652.37 11,160,162,1652.37 11,160,162,1652.37 11,160,162,1652.37 11,160,162,1652.37 11,160,162,162.37 11,160,162	ORDINARY 5. \$7.56,123,46 5. \$7.56,123,46 5. \$7.97,171.3.45 5. \$7.9	\$1,225,265,79 659,796,66 669,796,66 388,02,287 386,22,87 37,656,24 37,656,24 37,57,42 443,497,42 443,497,42 37,31,81 330,05,75 310,55 310,55 310,	\$ 125,995.20 1,072.43 *193,793.67 *302,961.66 165.476.62 1,521,077.74 1,038,404.69 2,150,176.80
\$3.949,892.39 2.792,70.88 2.128,974.35 2.69,900.93 3.476,648.77 3.476,648.77 3.476,648.77 3.476,648.77 3.757,125.17 4.69,570.91 6.077,430.09 6.287,161.43 6.677,430.09 6.287,161.43 6.436,250.97 6.436,250.97 10,456,251.70 11,410,352.16 10,621,652.37 10,621,652.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37 11,400.2165.37	<>	\$1,255,265,79 400,817,35 400,817,37 97,656,24 97,656,24 443,491,73 363,507,42 407,079,83 397,331,81 330,502,77 30,502,77 4,574,92	\$ 12,599.2 2 11,072.4 3 *193,793.6 1 *193,793.6 1 *15,1077.4 4 1,038,404.6 2 2,150,176.8 0 2,150,176.8 0
2 2932/706.88 2 1289/435 2 128/784.94 2 600.053 3 476.485.75 3 476.485.75 4 692.016.08 6 577.430.09 6 577.430.09 6 577.433.05 6 6 60.4338.05 6 6 60.4338.05 6 6 60.4338.05 6 10.465.25 10.465.25.17 10.465.25.17 10.921.65.23 14.602.165.73 18.167.74.56 19.146.02.165.74		400 817.37 400 817.37 388 422.87 97 656.24 306.56.28 434 491.73 407 079.83 330 509.75 330 509.75 300 509.75 4,574.92	11,072.43 *193,793.67 *302,961.66 165,476.62 1,521.077.44 1,038,404.69 2,150,176.80 2,421,482.22 1,610,222.80 1,610,222.80 3,170,020.83 3,093,382.97 3,082,382.97 3,082,382.97
2.128,974.35 2.37,784.94 80,090.93 3.476,148.75 3.757,125.17 4,625,570.01 6,287,101.17 4,625,770.91 6,287,101.43 6,567,183.32 6,567,183.32 6,567,183.32 10,456,281.73 11,410,322.16 11,410,322.16 10,621,652.37 10,622.1652.37 10,622.1652.37 10,622.1652.37 11,400,2165.18 11,400,211.652.37 12,622.1652.37 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 11,44,622.1652.37		388 0.2.87 388 0.2.87 37 656.24 306.56.24 306.56.24 443.491.73 447.407.83 37.37.31.81 330.05.77 30.05.77 4,74.92	\$103,793.67 \$103,793.61 \$165,476.62 \$1,521,077.44 \$1,038,404.69 \$2,150,176.80 \$2,150,176.80 \$2,151,482.22 \$1,170,020.80 \$1,70,020.80 \$3,093,382.97 \$3,093,382.97 \$3,083,382.97 \$3,083,382.97
232/744.04 860,909.93 3,476,645.75 3,575,100.08 5,575,011.7 4,629,579.91 6,777,439.09 6,777,439.09 6,777,439.09 6,777,439.09 6,777,439.09 6,777,439.09 6,777,439.09 6,777,439.09 6,777,439.09 6,777,439.09 10,765,279.19 11,410,325.16 10,921,652.37 10,921,652.37 10,921,652.37 10,921,652.37 11,400,21,652.37 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,2165.18 11,400,374.96		38,422.87 97,656.24 48,491.73 48,491.73 407,079.83 39,7,331.81 39,557.75 30,507.75 4,574.92	\$30.29(1.66 \$30.29(1.65) 1,521,077.44 1,038,40.469 2,421,482.22 1,610,222.80 3,7093,382.97 2,957,895.45 3,093,382.97 3,093,382.97
\$60,909.93 3,476,648.75 4,557,123.17 5,572,010.10 5,572,010.17 6,077,430.09 6,287,108.33 6,567,138.35 6,567,138.35 10,565,251.79 10,456,251.70 11,410,323.16 11,410,323.16 10,021,652.37 14,002,1652.37 14,002,1652.37 18,1567,200 19,146,974.96		97,656.24 306,569.38 443,491.73 363,507.42 407,079.83 397,311.81 380,059.77 30,059.77 4,574,92	165,476.62 1,521,077.44 1,038,407.74 2,150,176.80 2,421,482.22 1,610,222.80 3,170,202.85 3,093,382.97 2,957,895.45 3,082,382.97
3,476,648.75 3,577,125.17 4,692,010.08 5,577,011.17 4,629,570.91 6,077,433.09 6,287,161.43 6,267,133.05 6,567,138.32 6,456,259.97 10,456,259.97 11,410,352.16 10,921,652.37 10,021,652.37 10,021,652.37 10,021,652.37 10,021,652.37 11,400,21,652.37 11,400,21,652.37 14,602.1651.83 18,167,622.90 18,167,622.90 18,167,622.90 18,167,622.90 19,146,974.96		306.569.88 443.491.73 363.507.42 407.079.83 397.331.81 330.059.75 320.502.77 4,574.92	1,521,077.44 1,521,077.44 2,150,176.80 2,421,482.22 1,610,222.80 3,170,020.55 3,093,382.97 2,957,895.45 3,087,384.78
175,175,17 + 692,016.08 5,557,901.17 6,677,430.09 6,287,101.43 6,964,338.05 6,567,183.32 6,486,289.97 10,566,289.97 11,410,323.16 11,410,323.16 10,921,625.37 10,921,625.37 11,602,163.38 1		443.491.73 363.507.42 407.033 397,331.81 330.059.75 320,502.77 4,574.92	1,038,404.69 2,420,416.80 2,421,4822.80 1,610,222.80 3,170,020.55 3,093,382.97 2,957,895.45
4,692/016.08 5,587/901.17 4,629,579.01 6,774.433.09 6,287,161.43 6,567,183.32 6,567,183.32 10,456,289.97 11,410,322.16 10,421,652.37 10,021,652.37 10,021,652.37 14,602,165.18 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00 18,167,622.00		363,507.42 407.079.83 397,331.81 330,059.75 320,502.77 3,029.42 4,574.92	2,150,176.80 2,421,482.22 1,610,222.80 3,170,020.55 3,093,382.97 2,957,895.45 3,083,341.74
5.57,901.17 4.029,579.91 6.077,430.09 6.077,433.05 6.064,338.05 6.064,338.05 6.064,338.05 6.064,338.05 6.064,338.05 6.064,338.05 10,466,25.17 11,410,325.16 10,921,625.37 10,921,625.37 14,602,163.18 14,602,163.18 18,166,762.00 19,146,974.96		407,079.83 397,331.81 330,509.75 320,502.77 3,029.42 4,574.92	2, 421, 482.22 1,610, 222.80 3,170,020.55 3,093,382.97 2,995,895,45 2,987,895,45
4 (29/579.91 6,777/439.09 6,287/161.43 6,967/183.32 6,567/183.32 6,436,259.97 8,215.51.84 10,366,281.33 10,456,251.70 11,410,352.16 10,022,1652.37 10,022,1652.37 10,022,1652.37 14,602,165.18 18,167,622.00 18,156,622.00 18,156,622.00 18,156,622.00 18,156,622.00 18,156,622.00 18,156,622.00 18,156,622.00 18,156,622.00 18,156,622.00 18,156,622.00		397,331.81 330,059.75 320,502.77 3,029.42 4,574.92	1,610,222.80 3,170,020.55 3,093,382.97 2,957,895.45 3,087,281,74
6.077,430.09 6.287,161,43 6.267,133.05 6.567,138.33 6.436,250.97 8.321,551.84 10,456,281.93 10,456,281.70 10,921,652.37 10,021,652.37 14,602.1651.8 14,602.1651.8 18,167,622.0 18,167,74.56		330,059.75 320,502.77 3,029.42 4,574.92	3,170,020.55 3,093,382.97 2,957,895.45 3,087,841,74
6,287,161.43 6,047,183.35 6,567,183.32 6,436,259.97 8,331.551.34 10,362,281.93 11,410.352.16 11,921.652.37 14,002.1651.8 20,021.374.56 18,166,762.00 19,146,974.96		320,502.77 3,029.42 4,574.92	3,093,382.97 2,957,895.45 3 082 281 74
6,064,338.05 6,567,138.32 6,466,259.97 8,315,518.4 10,456,281.93 10,456,281.93 10,952,465.72 10,902,465.72 14,602,165.18 20,621,374.56 18,166,762.00 19,146,974.96		3,029.42	3 082 281 74
6,667,183.32 6,486.259.97 8,231.551.84 10,366,281.93 10,486,251.70 11,410,322.16 11,902.1,652.37 14,602.1652.37 14,602.1651.8 20,621.374.56 18,165.762.00 19,146,974.96		4,574.92	3 082 281 74
6,436,259,97 8,331,551,84 10,366,281,93 10,456,521,70 11,401,652,37 10,902,465,72 14,602,165,18 14,602,165,18 18,166,74,56 19,146,974,96			C1000100100
8,21,551.84 10,366,281.93 10,456,251.70 11,410,352.16 10,921,652.37 14,602.165.72 20,621.374.56 18,165,762.00 19,145,974.96		341.95	2,380,489.46
10,366,281.93 10,456,251.70 11,410,352.16 10,921,652.37 10,902,465.72 14,602,165.18 20,621,374.56 18,156,762.00 19,146,974.96		8,234.30	3,006,557.18
10,456,251,70 11,410,352,16 10,921,652,37 10,962,465,72 14,602,165,18 20,621,374,56 18,166,762,00 19,146,974,96		116,523.23	3,468,357.48
11,410,352,16 10,921,652,37 10,922,465,72 14,602,165,18 3, 20,621,374,56 18,156,762,00 19,146,974,96			3,083,791.53
10,921,652.37 10,902,465.72 14,602,165.18 20,621,374.56 1,145,7762.00 19,145,974.96	_		234,435.09
10,962,465.72 5, 14,602,165.18 3, 20,621,374.56 2, 18,156,762.00 1,		4,623,339.12	*2,934,604.05
14,602,165.18 3, 20,621,374,56 2, 18,156,762,00 1, 19,146,974,96		3,326,822.18	3,149,885.28
20,621,374,56 2, 18,156,762,00 1, 19,146,974,96		2,196,671.93	4,949,208.31
18,156,762.00 1,		1,654,781.54	10,005,812.65
19,145,974.96		800,000.00	6,559,176,49
		178,810.09	6,430,466.63
19.823.049.47 328.056.86	17,148,523.65	128,297.23	2,874,285.45
20,881,873.91		187,935.36	5,023,761.56
22,189,712.48	96 18,733,582.62	280,550.13	3,666,297.69
19,512,132.50	2	4,167,468.40	*4,189,790.28
*Operating Deficit ** Years 1931-47 include former	**Years 1931-47 include former Department of Game and Fisheries		***Five-month Year.

CASH RECEIPTS (In Years Ending 31st March)

Ď	Crown Land Leases and Licenses of Occupation	Water Power Leases	Crown Land Sales	Provincial Land Tax	Fees, Maps, etc.	Flying Fees	Re- forestation	Forest
1931	264,957.40	*	167.410.72	131,851.20	3,298,39			9,988.
1932	275,230.38	*	140,016.47	119,728.08	1,710.13			993.
1933	352,814.60	*	69,437.28	119,135.06	1,811,51			:
1934	352,549.54	*	72,825.37	131,447,74	1,788.99		7,046.97	35,297.
1935**	107,202,87	*	28,471,94	107,301.57	567.23	13,181.73	3,863.47	7,723.
1936	440,489.75	*	65,128.21	131,928.13	1,411.77	54,131.33	8,568,26	23,376.
1937	48,254.57	377,412.80	80,380,93	178,621.85	1,973.26	19,212.96	9,742.67	23,294.
1937	51,072,60	427,874.00	70,248.55	234,761.42	2,137.50	11,643.18	8,890,46	23,193.
1939	60,053,31	406,019.17	75,212.06	129,178.01	2,386.96	6,680.04	4,253.89	28,889.
1940	65,845,86	402,529,44	94,947.38	133,935.87	1,987.47	4,270.05	5,334.99	38,222.
1941	67,200.44	571,351.76	53,820.61	169,608.77	2,247,14	5,794.32	5,643.14	38,506.
1942	68,435,03	628,691.25	41,960.84	146,801.88	3,461.64	10,902.02	5,833.50	40,183.
1943	61,910.54	648,484.87	69,162.08	146,013.91	3,191.91	6,945.96	8,453,36	28,669.
1944	99,265.07	618,901.26	118,745.26	158,744.95	2,924.52	19,448.31	26,137.92	22,916.
1945	84,215.20	609,425.12	155,219.01	175,341.55	4,913.34	12,416.85	10,558.66	26,850.
1946	87,285,38	654,978.77	193,061.14	209,459,44	9,047.68	25,284.13	19,386.47	30,942.
1947	95,445.89	680,568.56	261,865.96	204,474.57	11,070.65	15,258.36	25,373,17	46,401.
1948	104,918.41	694,859.07	215,151.77	185,470.29	13,825.05	8,376.00	25,562.25	53,229.
1949	113,554.42	759,569.67	215,884.90	217,520.66	17,225.04	6,373.00	1,684.71	48,330.
1950	112,061.86	811,663.96	217,642.25	242,292.14	18,778.07	10,733.90	153.35	70,706.
1951	120,468.42	827,937.46	188,444,32	322,660.63	19,092.24	13,407,45	60.40	38,975
1952	119,562.29	1,101,125.17	186,225.03	367,695.92	21,773.97	16,710.03		55,473.
1953	140,248.29	1,293,570.18	197,367.94	393,236.04	22,722.55	11,720.41	128,220.21	30,140.
1954	165,642.85	1.672,735,49	184,427,52	562,722.77	23,545,76	16,360.82	157,891,72	46,268
1955	178,749.02	1,539,686.19	212,985.32	644,960.82	30,660.01	16,724.19	216,246.77	46,487
1956	199,833.92	1,530,748.10	295,056.86	687,296.11	39,579.23	15,267.05	174,278.65	98,384
1957	235,570.84	1,553,862.70	309,313.63	776,789.46	59,633.73	12,792.93	160,244.40	96,064
1958	264,851.96	1,626,974.92	358,426.76	810,465.62	62,225.41	13,392.59	146,173.44	76,874
1959	280,859.77	* *	551,088.38	1,114,637.82	84,023.85	20,825.75	160,130.77	103,223
Stroludod in so	Contract Contract Contract	Tond I occor	Concord I bac	of Occurrention				

*Included in receipts from Crown Land Leases and Licenses of Occupation. ***Taken over by Treasury Department. **Five-month Year.

6

DIVISION OF FISH AND WILDLIFE

Analysis of Cash Receipts in Years ending 31st March

Deer Licenses	75,016.50	64,961.10	50,257.50	47,263.70	48,684.40	56,544.05	59,351.25	72,320.10	83,526.55	81,882.00	77,469.40	94,923.90	118,083.55	115,395.90	117,004.70	166,635.20	196,548.80	205,826.80	237,707.05	242,208.18	264,880.50	293,944.96	348,664.53	355,910.72	364,081.94	405,200.92	400,272.03	415,920.32	459,439.50	l Fisheries.
Non-Res. Hunting Licenses	62,300.00	46,420.00	35,080.00	25,799.55	30,315.45	53,080.00	73,937.50	92,370.00	80,415.00	84,590.00	84,265.00	124,365.00	93,245.00	89,450.00	115,590.00				468,705.05				156,913.31		453,643.44	513,088.28	545,979.18	563,004.32	588,851.80	inclusive, from Department of Game and Fisheries
Gun Licenses	51,237.75	46,764.00	75,760.80	59,214.25	39,564.72	69,635.93	71,526.01	77,780.81	95,788.45	94,882.18	86,527.85	97,768.84	102,244.96	75,152.65	79,389.64	110,252.51	132,906.53	146,601.42	160,378.15	178,016.26	183,669.56	205,882.29	230,147.23	218,887.59	234,296.34	250,758.18	244,431.38	267,922.15	292,712.93	clusive, from Depart
Commercial Fishing Licenses and Royalty	115,552.53	106,996.21	100,740.85	100,988.68	50,345.57	96,981.60	111,450.44	114,258.61	102,087.87	98,998.09	97,980.22	98,110.03	84,507.32	103,143.45	99,818.61	103,104.97	109,472.85	110,704.94	116,597.30	115,344.46	121,688.19	135,254.98	140,050.77	112,853.57	116,794.69	106,779.72	117,265.92	105,666.72	95,726.71	Revenue for Vears 1931-1947 inc
Angling Licenses	186,448.65	136,077.35	121,981.18	128,472.22	7,338.85	200,641.65	272,690.50	331,430.45	339,450.05	391,504.00	384,675.00	476,519.95	306,263.85	288,685.00	412,073.30	605,320.60	1,000,866.37	1,156,904.16	1,350,500.93	1,450,180.46	1,637,775.06	1,868,745.89	1,949,891.58	2,086,074.01	2,204,667.51	2,279,335.59	2,294,761.04	2,431,976.75	2,337,425.23	Revenue for A
	1931	1932	1933	1934	1935*	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949.	1950.	1951	1952.	1953.	1954	1955.	1956.	1957.	1958.	1959	*Five-month year.

DIVISION OF FISH AND WILDLIFE

Analysis of Cash Receipts in Years ending 31st March

	Moose Licenses	Trapping Licenses & Royalty	Fur Dealers, Fur Farmers, Tanners & Cold Storage Licenses	Tourist Outfitters Licenses	Other	Total
1931	7.953.00	131.370.45	39,412.00		46,171.95	715,462.83
1932	6,242.50	130,574.08	37,758.00		37,991.46	613,784.76
1933	5,219.50	117,053.57	38,078.10		27,485.85	571,657.35
1934	3,162.50	121,685.90	36,785.50		21,366.17	544,738.47
1935*	2,194.50	48,378,05	20,341.00		11,185.50	258,348.04
1936.	2,728.00	139,199,55	34,405.00		30,722.94	683,938.72
1937.	2,981.00	109,201.95	37,395.50	4,950.00	41,982.24	785,466.30
1938	3,179,00	92,800.30	36,473.25	5,790.00	42,078.37	868,480.89
1939	2.574.00	100,330.05	31,904.75	6,855.00	71,543.52	914,475.24
1940	2,733.50	156,292.70	35,297.50	7,445.00	61,725.85	1,015,350.82
1941	2.948.00	137,394,68	36,298.50	7,345.00	69,897.04	984,800.69
1942	3,278.00	175,815.10	36,117.00	7,840.00	68,531.47	1,183,269.29
1943	4,372,50	161,634.60	32,877.00	6,565.00	52,557.11	962,350.89
1944	4,697.00	195,286.20	36,853.00	5,990.00	60,419.40	975 072.60
1945.	4.812.50	247,562.30	37,263.00	6,510.00	73,009.67	1,193,033.72
1946	7,051.00	277,768.10	44,509.00	8,435.00	109,234.28	1,651,165.66
1947	9.316.45	274.138.90	43,162.00	7,290.00	112,611.55	2,248,200.65
1948	11,878.25	206,514.45	41,251.00	10,872.25	87,190.62	2,431,533.42
1949.	16,787.39	328,171.15	38,911.00	13,897.50	96,118.41	2,827,773.93
1950.	352.21	293.426.32	34,449,15	16,192.76	95,619.17	2,790,710.82
1951		321,697.57	32,606.03	16,339.87	101,944.22	3,082,091.40
1952		341,663.82	29,633.97	21,234.44	104,564.63	3,341,179.88
1953.	33.487.00	398,604,16	27,098,00	18,120.83	106,937.77	3,409,915.18
1954	52,464.00	353,005.27	21,873.00	20,455.00	131,846.65	3,800,735.42
1955	73,460.00	343,220.21	22,783.10	17,401.94	158,906.45	3,989,255.62
1956.	90,040,00	317,051,99	20,309.00	19,419.44	152,730.39	4,154,714.41
1957.	134,210.00	272,951.95	17,425.00	20,470.56	158,060.16	4,205,827.22
1958	173,650.00	277,800.15	15,963.00	23,560.00	159,068.07	4,434,531,48
1959	214,664.00	268,275.99	9,083.00	16,290.00	157,354,61	4,439,823.77
*Five-month year.		Revenu	Revenue for Vears 1931-194	7 inclusive from De	Department of Game and Fisheries	ne and Fisheries.

PROVINCIAL PARKS *

Analysis of Cash Receipts in Years Ending 31st March

Tota

		r,	6	S	3	6	4	6	7	00	6	_	0	_	6	_	00	9	6	LO.	20	00	_	9	9	00	2 1	0	3	
Misc.	22,625.31	15,286.3	9,934.1	16,504.6	5,565,2	28,154.2	31,062.6	35,609.8	32,915.5	31,087.8	25,825.0	27,500.7	23,731.10	24,704.2	24,491.7	27,981.1	39,863.5	28,083.3	24,174.9	20,530.3	21,357.9	22,943.18	19,254.4	12,724.4	13,412.7	34,376.5	5,887.12	10,720.90	19,384.8.	
Non-Res. Guide Permits																						:					2,350.00	2,175.00	2,775.00	
Hunting Fees		:			:																:						2,484.00	2,825.00	2,999.00	
Campers' Permits								:																			45,612.75	78,462.25	124, 137.05	
Boat Permits	:													:		:						:					2,287.00	1,662.00	2,022.00	I.
Vehicle Permits																					:	:						148,488.20	207,751.00	**Five-month year
Total Rentals	20,169.21	19,393.00	21,567.79	23,366.61	6,955.31	24,116.88	25,364.91	27,329.53	26,337.06	27,510.36	27,378.58	27,101.13	18,975.18	27,844.46	23,699.15	23,943.43	25,813.88	28,583.80	38,292.13	31,704.41	32,302.53	32,021.18	33,108.18	39,459.71	42,822.27	42,611.67	64,799.79	51,066.48	62,127.92	**Five
Rondeau Rentals	9,935.43																													nce 1956.
Algonquin Rentals	5,024.83	4,348.89	5,123.36	5,289.81	2,912.33	5,059.21	6,920.20	6,858.92	8,161.76	7,259.77	8,250.63	7,837.88	4,931.03	9,258.04	7,399.31	8,494.15	9,355.82	9,344.59	13,932.15	13,636.73	15,088.80	14,512.29	14,648.91	18,675.88	17,474.13	19,349.43	13,979.14	14,572.09	23,221.85	1 of Parks since 1956,
Year	931	932	933	934	935 **	.936	.937	938	939	940	941	942	.943		945	946			949			952	953	954	955	956	957	958	959	*Under Division
	- Second		Anne	4000	*****		deed	tent	+	-		+		And	Annel	And	+(>	4-4	shood	deed		-	deed	-	1	Seed,	=		*

42,794,55 34,670,38 34,670,38 39,587,28 39,587,17 52,271,17 52,271,17 52,271,17 53,203,62 53,203,62 54,27 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 54,07 57

DIVISION OF TIMBER

Analysis of Cash Receipts in Years ending 31st March

	A LABORAT CALL OF CHANGE	The second secon			
	Timber Dues and Bonus	Ground Rent	Fire Tax	Other Receipts	Total Receipts
1031	2 649.017.21	85.325.15	304,843.00*	1,956.34	3,041,141.70
1032	1 750 711.11	73 801.07	270,515,42*	1,480,25	2,105,507.85
1033	961 119.91	72,337.36	275,355,95#	771.01	1,309,584.23
1034	1 111 095.31	95.733.43	296,241.83	32,132.32	1,815,462.54
			280,259.65*		
1935 (5 Mos.)	359.018.34	6,764.61	9,895.85*	898.00	376,576.80
1936	2.070,654.87	76,730.34	280,285.04	2,433.18	2,570,245.95
			140,142.52*		
1037	2.180.583.48	104.692.15	473,859.35*	45,508.22	2,804,643.20
1038	2 928 504.94	88,163,13	416,144.68*	4,751.21	3,437,563.96
1030	3,351,304,55	76,282,39	409,546.33	74,939.24	3,912,072.51
1040	2,300,307,53	88,036.46	428,271.15	47,146.57	2,863,761.71
1041	3 404 708.57	136,626.71	543,522.19	68,379.73	4,153,237.20
1042	3 695 167.49	79,370,11	276,577.26	71,461.64	4,122,576.50
1043 (Not Analysed)					4,982,281.03
1044 (Not Analysed)					4,561,733.40
10.45	3 606 101 54	117.396.26	436.395.41	81.597.79	4,241,581.00
1046	4 947 915 12	115,299.49	419,322.89	72,243.81	5,554,781.31
1047	6 175 443 93	125,060.70	461.163.51	182,436.25	6,944,104.39
1048	6,093,409,64	126,875,25	456,443.81	178,302.28	6,855,030.98
1040	6,899,106.93	108,934.25	440,010.56	115,761.63**	7,332,290.11
1950	6.146.884.32	112,139,00	485,313,46	44,898.26	6,789,235.04
1951	5,269,278,71	116,641.52	1,007,661.97	67,521.04	6,461,103.24
1952	8.324.529.10	114,196.50	1,010,554.47	51,585.03	9,500,865.10
1053	13,718,338,94	123,366,41	1,175,775.93	100,219.59	15,117,700.87
1954	10,225,154.88	79,831,50	1,052,634.61	8,839.38	11,396,460.37
1055	10,834,113,77	76,019.46	945,953.21	71,591.78	11,927,678.22
1956	11,667,002.82	76,234.00	971,517.29	8,023.81**	12,706,730.30
1957	12,332,778.27	80,786.20	1,091,659.16	51,344.11	13,556,567.74
1958	13,333,502.64	81,098.00	1,041,836.51	25,428.76**	14,431,008.39
1959.	11,382,444.87	84,468.00	1,085,027.40	31,939.91**	12,520,000.36
	G	7%%	Softward of Donogies;	" Twoon of Cook D	populate

**Refund of Deposits in Excess of Cash Receipts. *Applied as Refund to Expenditure on Forest Ranging.

DIVISION OF FISH AND WILDLIFE

Though game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period when Upper and Lower Canada were united, they had not the significance that they attained when the Department of Game and Fisheries was formed under different departments from time to time until the annual report for 1888-89 intimated that the control and management of fisheries was placed under the Crown Lands Department. In the following year the game laws were amended and in 1897 the Commissioner reported that the fishing service had been transferred to the Attorney General.

Under a variety of Ministers from time to time the Game and Fisheries organizations developed until 1946 when, because of its importance as one of the main features of replaceable natural resources, it was included as a Division of the Department of Lands and Forests where control of all replaceable natural resources now rests.

As Chief of the new Division Dr. W. J. K. Harkness, a widely recognized authority, was appointed and proceeded with the extension of the work of conserving these resources. The tables herein reveal something of its magnitude.

BOUNTIES PAID IN YEARS ENDING 31st MARCH

BEAR BOUNTY

WOLF BOUNTY

Total Amount Paid	•															1,655 37,255	
Pups	32	32	12	30	42	74	. 84	41	44	63	89	70	41	28	71	34	
Brush	497	731	665	111	1,182	961	1,062	890	651	634	739	720	620	559	486	574	
Timber	935	1,302	1,321	1,266	1,440	1,515	1,581	1,613	1,405	1,198	1,313	1,101	1,075	1,088	1,195	1,047	
Total Amount Paid	:	:	:	:	\$9,735	5,095	6,035	8,530	4,645	4,180	6,805	10,000	11,590	6.310	6,225	16,930	
Under 12 mts. \$5 each	:	:	:	:	73	17	19	122	47	29	57	145	66	50	50	300	
12 mts. and over \$10 each	:	:	:	:	959	509	592	803	453	408	662	947	1.126	614	611	1,568	
Year	1943	1944	1945	1946	1947	1948	1949	950	951	952	953	1954		956			

BREEDING STOCK ON LICENSED FUR FARMS IN YEARS ENDING 1st JANUARY

1958	57 186 12 150	405		119,299		513
1957	56 119 119 105 166	460	14,812 42,063 24,072 28,989	109,936 1		520
1956	81 155 108 6 239 9	599	20,841 40,368 21,125 19,387	101,721 1	112 811 62 43 5	542
1955	70 251 136 44 456	934	21,693 29,100 21,053 13,486	85,332	110 111 70 82 47	529
1954	68 1 230 136 136 583 583	1,047	22,315 22,869 20,443 9,713	75,340	26 9 062 707 57	549
1953	56 1 294 159 159 760 50	1,321	27,727 16,926 17,710 7,797	70,160	15 10 54 264 68	631
1952	75 1 349 267 1,567 1,11	2,375	40,691 12,381 15,798 4,665	73,535	16 13 36 192 47	692
1951	200 2 449 559 11 2,813 226	4,260		73,034	22 21 35 99 46 6	914
1950	256 10 476 903 303 3,391 385	5,451		67,943	56 23 43 125 76	1,078
1949	385 11 565 1,549 23 5,016	8,480		71,139	71 26 1 35 55 94 94	1,382
1948	1,450 23 368 2,437 2,437 6,654 1,691	12,661		75,192	70 46 1 35 65 65 97	1,650
1947	1,276 36 378 3,133 94 9,400 3,184	17,501	: : : :	72,992	45 45 1 28 92 127	1,735
1946	1,283 47 2,382 110,772 3,115	17,709		50,677	30 35 35 1 16 2 130 130	1,502
	Fox Blue Cross Pearl Platinum Platinum Red Standard Silver White Marked	TOTAL	Mink Standard and Dark Half-Blood Pastel. Silverbli	TOTAL	Other Animals Beaver Fisher Lynx Marten Markat Raccon Skunk	NO. OF FARMS

REVENUE RECEIVED FROM PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

	7.	NUMBER OF PELTS	LTS	KOYA	ROYALTY ON WILD PELTS	PELTS
Vear	Export	Total Export	Tanners	Export	Total Export	Tanners
1947	45,847	762,998	214,636	\$ 91,694.00	\$ 188,560.40	\$ 23,229.30
1948	20,083	862,700	294,017	40,166.00		
1949	74,253	940,378	271,167	148,506.00	238,073.05	27,156.25
1950	65,600	909.079	181,723	131,200.00	219,948.80	18,074.95
1951	81,845	814,447	149,340	163,690.00	241,937.60	15,492.75
1952	105,503	922,868	188,847	211,006.00	300,321.05	19,556.35
1953	122,287	998,713	256,476	185,103.00	300,798.80	26,313,75
1954	105,071	066,806	240,441	157,635.50	268,822.90	25,430.15
1955	134,729	941,348	325,947	135,919.50	242,489.95	34,794.90
1956	112,663	769,027	190,566	112,663.00	196,956.25	20,766.50
	111,278	788,370	248,613	111,278.00	194,339.80	27,596.25
	140,930	879,316	149,779	140,930,00	224,921.35	9,407.05
1959	119,684	830,538	112,564	119,684,00	195,586.05	8.352.70

PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

		NUMBER OF PELTS	7 PELTS		\wedge	VALUE OF PELTS	
Year	Wild	Ranch Mink	Total Ranch	Total	Wild	Ranch	Total
1947	876,204	73,770	101,430	977,634	\$4,966,209.43	\$2,262,888.38	\$7,229,097.81
1948	1,001,249	125,829	155,468	1,156,717	4,040,846.67	2,346,038.61	6,386,885.28
1949.	1,046,628	143,358	164,917	1,211,545	5,187,075.19	1,647,044.38	6,834,119.57
1950	931,890	143,513	158,912	1,090,802	4,248,297.37	2,165,232.63	6,413,530.00
1951	811,579	142,570	152,208	963,787	4,582,900.62	3,101,559.30	7,684,459.92
1952	959,431	144,436	152,284	1,111,715	3,656,919.00	2,355.226.00	6,012,145.00
1953.	1,098,286	152,760	156,903	1,255,189	3,868,812.40	2,171,784.00	6,040,596.40
1954	1,016,672	131,192	132,759	1,149,431	2,682,762.00	1,905,518.15	4,588,280.15
1955	1.107,530	158,662	159,765	1,267,295	4,284,902.19	2,942,968.00	7,227,870.19
1956	786,608	171,723	172,985	959,593	2,989,521.74	4,129,555.00	7,119,076.74
1957	788,666	247,998	248,317	1,036,983	2,575,808.67	2,978,209.00	5,554,017.67
1958	791,165	237,172	237,930	1,029,095	2,713.427.01	3,943,119.20	6,656,546.21
1959.	680,189	262,788	262,913	943,102	2,445,202.55	3,969,223.80	6,414,426.35

FUR RETURNS BY ONTARIO GAME MANAGEMENT DISTRICTS IN YEARS ENDING 30th JUNE *

NUMBER OF TRAPPERS

Arc. Col. Fisher Fox Fox	Beaver		Furm Total Bea	
2,783	1,027 39	46,208 1,027	1,027	4,326 46,208 1,027
1,727	310 14	62,717 310	310	4,917 62,717 310
3,341	662 139	81,790 662	662	11,379 81,790 662
4,871	2,651 198	99,391 2,651	2,0%	11,641 99,391 2,651
5,784	2,414 54	109,260 2,414	2,414	12,332 109,260 2,414
4,604	2,335 685	91,484 2,335	2,335	11,914 91,484 2,335
2,879	2,915 98	115,439 2,915	2.915	12,310 115,439 2,915
2,619	3,046 163	98,084 3,046	3,046	11,001 98,084 3,046
1,253	1,822 60	93,065 1,822	1,822	9,529 93,065 1,822
2.031	2,737 128	126,986 2,737	2,737	8,604 126,986 2,737
1,858	2,091 302	101,984 2,091	2,091	7,826 101,984 2,091
Ca	ynx includes Bot	7. **Lynx includes Bob Cat.		*Management began in 1947. **Lynx includes Bol

PROSECUTIONS IN YEARS ENDING 31st MARCH

	SEIZI	SEIZURES	Public Sale	Total Sales	Conversion	Cases Die-	Cases With.		Collected	Collecter
Vear	Firearms	Total	Equipment	Redemptions	tions	missed	drawn	Total	Costs	Fines
1947	926	1,844	:	837,201.91	2,040	85	4	2,129	\$1,216.45	\$44,266.8.
1948		:	\$ 4,700.00		2,880	114	44	3,038	:	
1949	1,292	2,015	15,514.84	16,742.15	2,302	106	193	2,601	1,152.50	46,947.08
1950	1,434	2,697	7,053.27	17,222.31	2,704	102	140	2,946	1,746.25	45.807.7
1951	1,413	2,619	9,750.66	21,534.28	2,728	116	86	2,930	1,507.25	47,622.4
1952	1,488	2,763	9,422.30	23,847.23	2,862	108	70	3,040	1,475.65	48,334,7
1953	1,438	2,872		23,633.14	2,880	114	##	3,038	1,387,44	50,460.2
1954	1,727	2,975	:	25,157.03	3,052	82	76	3,213	1,442.18	47,715.4
1955	1,498	3,005	9,239.15	27,008.80	3,102	102	80	3,284	1,274.20	52,087.6
1956	1,602	2,929	7,414.34	23,212.66	2,967	87	125	3,179	1,280.65	14,444.3.
1957	1,510	2,751	9,389.40	24,595.98	2,620	93	50	2,965	1,204.36	43,895.1
1958	1,678	2,996	9,391.97	24,319.62	3,040	2,6	38	3,154	1,601.61	47,443.0
1959	1,495	2,472	10,396.79	25,018.31	2,460	1.4	55	2,589	1,183.15	42,875.9

HUNTING AND ANGLING LICENCES SOLD IN YEARS ENDING 31st DECEMBER

	Dr	DEER HUNTING	2	Moc	Moose Henning	9	SMALL GAME	GAME	Bear & Wolf	TOTAL HUNTING	TUNTING	ANGLING	NG
YEAR	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Non-Res.	Resident	Non-Res.	Resident	Non-Res.
1944	38,654	2.385	41,030	878	653	1,528	92,847	1,940	181	132,376	5,168	:	89,291
1945	53,930	4,430	58,360	1,282	1,426	2,708	131,468	3,281	314	186,680	9,451	:	126,367
1946	62,913	7,877	70,790	1.604	1,230	2,924	155,309	4,666	783	219,916	14,556	-	171,400
1947	67,299	11,193	78,492	2,270	1,516	3,786	171,098	3,620	548	240,667	16,877	:	196,785
1948	73,700	11,300	85,000	3,000	1,700	4,700	186,660	3,200	1.600	262,760	17,800	3,730	224,898
1949	76,274	12,050	88,324	*	*	*	205,706	3,300	1,176	281,980	16.526	4,434	240,278
1950	84,380	12,440	96,820	*	*	*	213,594	5,620	1,127	297,974	19,187	5,110	237,191
1951	89,290	10,400	069'66	1,400	ě	1,400	240,040	4,960	1,120	330.730	16,480	4,785	272,180
1952	06,790	**870	07,660	3,620	**	3.620	268,444	5,400	3,060	368,854	9,330	4,695	287,007
1953	92,785	8.300	101,085	5,196	637	5,833	256,341	3,810	2,490	354,322	15,237	4,712	308,500
1954	05,800	10,400	103,200	7,500	730	8,230	284,000	5,300	1,520	384,300	17,950	6,400	366,150
1955	105,150	8,050	113,200	000'6	066	0,990	318,000	6,010	1,750	432,150	16,800	6,450	377,220
1956	98.079	7,426	105,505	13,441	1,521	14,962	316,778	5.905	2,031	428,298	16,883	12,624	376,000
1957	106,620	6,743	113,363	17,367	1,890	19,257	341,838	6,092	2,703	465,825	17,428	15,806	307,435
1958	109,322	6,044	115,366	22.688	2,362	25,050	377,589	5,503	4,803	509,599	18,712	18,678	380,036

osed Season,

PRODUCTION OF PROVINCIAL FISH HATCHERIES IN 1958

Splake	9,0007		:						Z 700V		19,100Y	*176,910Y 2,400Y 5,330T			:
Picterel					16.950.030l7 20,500,000l8	13,795,000E					:		5,000 000E		
Whitefisu					23,040,0000k, 2,900,0000k,	5,000 000E 47,515,000F			:						
M tskine ige		2.940,000F 17,512Fg													:
Largemonth Smallmouth Bass Bass							35 650150				94 000F		64,500Fg	15,100Fg 30,000F	
Lurgemonth Bass							44.500Fg		:	16 000F				18,100Fg 30,000F	
Brown	64,200Y 32,680Y							21,800Fg 6,600Y	7.00.A					29,446\	
Kamloops Trout	11,000 Y		13,000Fg	2,000Fg 4,034V 32,297A				26,000E 10,000F	8,000Y	4,000Y		11,350V	20,050V	9,750Y 4.000Y	
Lake Trout	23,250V 25,000Fg 16,400V		287,870%		21,500Fg				Z9,000Y	4,800E 49,000Fg	10,000 t 58,804 Y	298,200Y 9,000T	20,000Y		79,8851 248,000Fg
Speckled	153.450V 32,220V	15 000 V	128,000Fg 17,515X	31,000Fg 340,300Y	eo onofig		81,750 \	\$0.650Y 4,500T	155,100 V	209,040Y	203,400Y	525,270V 266T	162.250Y	4,080 V 260,900Fg	
HATCHERY	Chatsworth TRS	Deer Lake	Dorton TRS	Hill Lake TRS	Kenota	Little Current	Midhurst Ponds	Normandale	North Bay TRS	Pembroke TRS	Sandfield Ponds	Sault Ste. Marie TRS.,	Skeleton Lake	Westport Pands White Lake Ponds.	Wiarton

1 RS - Tront Rearing Station, E. 1932; F. 1878; Fig. Fingerling, V. -Vearling, T. 2-5 car old, A. -Adult, Port Artlur: Production of 294,000 Lake Trout Fingerlings transferred to Dorion and Sault Ste. Marie.

DISTRIBITION OF HATCHERY FISH IN VEARS ENDING 31st DECEMBER (IN 000's)

arge mouth.	*1949									
.::: .		*1950	*1951	*1952	1953	1954	1955	1956	1957	1958
	550	550	826 	544 97 1	330 328 1	720 279	282 343 4	360 122 1	190 129 3	94
First 1, 202 Fingerling 555 Yearling and Adult 3	1,533 398 7	1,506 346 9	935 402 14	358 385 15	720 623 18	820 452 14	209 529 25	803 369 19	468 132 1	13(
Bluegills FingerlingAdult	: :	::	::	::	: :	::	? :	• •	::	
CHARR, French Alpine. Fingerling. Yearling. Adult.		, : : :	: : :	: : :	:::	: :	: : :	21		
Снакк, Pennsylvania. Fingerling	:	:	:	:	:	2	:	i	:	:
Herring Eggs. 20,375	8,400	5,100	8,100	1,100	3,600	2,717	3,400	350	1,840	
Maskinonge Fry. 3,135 Fingerling. 25 Adult	5 2,750	3,350	2,360	3,750	2,740	3,550	3,712	3,610	2,430	2,9

.010

139

00

:::	:	56,245	:			508	133
= :		90,565	:	: :	: :	16	36 170
= : :	:	138,805	:	: :	513 224		151
: : end	:	91,800	:	423	::	10	101 234
	:	227,000 6,000	:	::	: :	177	100
: : :	:	270,975	:	: :	: :	25	92 103
24	į	176,285 2	7.2	: :	: :		108
: : :	i	234,610	:	: :	: :	: : :	283
	:	160,200	:	: :	: :		10 307 85
T :::	:	267,170 312,900 160,200 234,610	112	: :	: :	: : :	10 175 222
: : :	:	267,170	101	::	::		558 350
OUANANICHE Fingerling Yearling	Рексн Fry	Pickerel Eggs. Figerling. Adult	SALMON, Atlantic Fingerling	SALMON, Chum. Eggs. Fingerling.	SALMON, Pink. Eggs. Fingerling.	Splake Fingerling Yearling Adult	TROUT, Brown Eggs. Fingerling Yearling. Adult

DISTRIBUTION OF HATCHERY FISH IN YEARS ENDING 31st DECEMBER (IN 000's)-Cont'd

1958

1957

1956

1955

1954

1953

*1952

*1951

*1950

*1949

*1948

SPECIES

26	10 15 95 32	374	: :	789 2.079 10	30,940 47,515	142,682
13	32 123	230	: :	200 91 522 2,677 10	13,435 67,275	180,704
10	788	12 10 736 320	::	35 1,332 2,092 19	51,178 11,130	212,410 180,704
2**	* * * *	2,612 2,612 241	* *	50 842 1,991 16	67,165 102,950	286,267
* *	141**	2,606	* *	720	42,665	80 392,272 479,069 430,780 286,267 212,410 180,704
	108	250 6,985 172	25	1,963 3,251 14	186,700	479,069
	73	1,849 3,499 231		2,721	200,400	392,272
	35	1,775 3,147 134	10	945 3,087	121,185	18,0
		1,450 4,489 55	::	1,005 3,141 8	235,200 121,185	416,946
	32	1,000 5,562 81		1,475 2,938 2	245,150 2	583,369
	: : : · :	1,000 4,858 77	28	882 2,334 5	243,482	546,776 583,369 416,946 3
TROUT, Kamloops	Pegs Fry Fingerling Yearling Adult	Trour, Lake Eggs Fry Fry Frngerling Vearling	Trour, Rainbow Fingerling	TROUT, Speckled Beggs Fry Fry Fingerling Yearling Legal Size	Whitefish Eggs Fry	TOTAL

**Kainbow Front Included in Kamioops Front Plantings. *Figures for 1947-1952 Compiled on Fiscal Year Basis.

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

Value \$'000	2,634 2,615 2,644 2,574 2,565	2,226 2,147 3,372 4,704 4,389	6,484 5,597 4,803 5,735 5,497	6,252 7,044 7,417 7,037 7,013	6,783 7,928 7,047 7,274
Total	35,216 34,255 36,093 36,914 33,850	27,967 26,950 26,381 30,595 30,041	34,278 33,000 24,922 28,942 34,061	32,756 30,972 38,044 44,839 47,679	45,636 59,717 51,113 47,172
Southern Inland	852 925 754 717 655	609 517 546 618 482	606 679 448 735 607	555 707 678 827 712	615 593 493 544
Northern Inland	4,496 4,883 4,447 4,598 4,883	4, 734 4, 504 4, 570 4, 961 4, 964	5,040 4,719 4,802 4,629 5,254	5,229 5,728 6,221 6,080 6,080	5,627 5,878 5,764 7,316
Lake Superior	3,578 4,899 4,509 4,057 3,307	3,319 3,436 3,362 3,347 3,761	3,812 3,589 2,830 3,371 3,188	2,655 2,851 3,127 2,771 2,890	2,540 2,145 2,797 2,871
North Channel	1,434 1,417 1,307 1,194 960	792 542 535 572 487	434 290 267 4445 550	668 548 433 458 395	244 187 191 255
Georgian Bay	3,275 2,862 3,079 3,082 2,989	2,659 2,734 2,163 2,010 1,545	1,524 1,292 666 913 1,563	2,794 3,720 5,359 6,876 4,292	2,298 1,113 664 407
Lake Huron	3,670 3,511 3,189 3,009 2,496	2,211 2,148 2,081 1,836 1,460	1,071 954 1,107 1,440 1,260	1,301 1,474 1,736 1,396 1,463	1,262 1,463 988 2,023
Lake St. Clair	697 650 766 669 784	835 992 598 487 449	503 493 466 437 540	469 389 792 983 1,021	822 1,029 1,113
Lake Erie	14,429 11,954 14,665 14,502 14,264	9,768 8,951 10,038 14,483 15,256	18,950 18,925 12,334 14,926 19,093	16,866 13,114 17,417 23,389 28,912	30,285 44,682 37,105 30,751
Lake Ontario	2,785 3,154 3,377 3,086 3,512	3,040 3,126 2,488 2,281 2,637	2,338 2,059 2,002 2,046 2,006	2,219 2,411 2,281 2,059 1,914	1,943 2,627 1,997 2,098
Vear	1935 1936 1938	1940 1941 1942	1945 1946 1947 1948	1950 1951 1953	1955 1956 1957

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

8 Average																									2 1,366	2 43,199	4 6,929	
1958	0.	1 8	2,0	1 25	2,2	ó	1 260	12,4	7	1 01	48	C	16.20	20,01	7 82	1,07	17	000	4.96	24	1.50	27	62	3.27	21	47,172	7,27	
1957	67	3.589	762	1 508	272	2 6	706	103	31	1.996	354	233	12.068	6 308	10.609	914	103	849	4.666	174	1,317	375	498	3,226	413	51,113	7,047	
1956	63	5.795	843	1 906	299	0	023	1 10	8	1.142	451	20	11 843	12,019	11,673	904	133	774	4,016	138	1,394	416	641	4,049	132	59,717	7,928	
1955	61	4.589	824	1.318	285	3	988	71	9	936	506	18	5.181	12,070	6,883	913	168	840	2,328	160	1,395	370	1,190	4,452	83	45,636	6,783	
1954	99	6,202	837	1.428	332	2	920	80	87	1,375	426	13	8,203	8,210	5,196	1,148	212	853	1,550	172	1,485	376	1,562	6,844	101	47,679	7,013	
1953	85	2,197	865	1,384	295	2	845	09	34	1,149	458	11	4,629	10,399	4,650	964	250	849	1,326	193	1,568	469	1,862	10,214	83	44,839	7,037	
1952	80																									38,044	7,417	
1951		:	610	793	284	2	438	50	114	1,428	:	:	3,375	4,102	4,025	1,005	639	:		104	:		1,975	7,180	4,181	30,972	7,044	
1950	:	:	601	806	294	1	400	30	84	1,572	:		2,710	8,665	3,510	875	343	:		108	:	2000	2,044	0,389	4,004	32,756	6,252	
1949			100	040	301	2	438	48	50	2,137	:		2,698	9,831	3,235	1,027	191	:	. 0	184	:	1 000	1,092	7,003	0,111	34,061	5,497	
SPECIES	Bass, Rock; Crappies	P. Ilbords	Dumineaus	Carp	Cathish	Cavial	Chub; Tullibee	Lels.	Gold Eyes.	Time Ciscoe	Monomines Dillet	Menominee, Phots	Dial1 Di	Pickerel, Bille	Pickerel, Yellow	Sangara	Shensherd	Smalt	Sturgeon	Suckets	Sunfish	Trout Lake	Whitefieh	Miscellaneons		TOTAL	TOTAL VALUE (000's \$).	

COMMERCIAL FISHING EQUIPMENT IN YEARS ENDING 31st DECEMBER

Total Value		\$4,763,778	5,147,029	5,716,075	5,988,165	6,678,891	6,985,465	8,327,779	8,838,656	9,176,180	9,226,538	8,891,463	8,676,011	9,215,473
s Net Sheds		:	:		:		:	727	827	778	759	754	709	727
Wharves and Piers		437	400	412	395	425	416	474	487	456	447	437	404	425
Freezers & Ice Houses		525	486	477	456	477	476	462	493	482	442	426	412	464
	Seine	121	66	92	110	112	105	109	101	116	134	84	91	81
AMOUNT OF NETS	Hoop	1,288	1,240	1,324	1,411	1,439	1,483	1,564	1,570	1,578	1,545	1,487	1,462	1,441
	Trap*	:	:	:	:	:		359	549	400	822	763	804	731
FISHING BOATS AMOUN'	Pound	1,079	1,135	1,152	1,182	1,214	1,204	1,127	1,078	878	787	784	671	7.13
	Gill (Yds.) Pound Trap* Hoop	9,090,199	8,853,717	8,980,784	9,143,558	9,064,269	8,943,785	9,056,782	9,312,308	9,247,586	9,303,838	8,718,920	8,617,596	8,898,006
	Under 40 ft.	2,205	2,009	1,930	2,039	1,966	1,981	1,682	1,538	1,407	1,338	1,320	1,321	1,270
	40 ft. & Over	107	112	111	123	116	126	196	215	214	224	202	211	212
Z	of 4 Nen	4,244	4,026	3,736	3,930	3,886	3,833	3,878	3,807	3,657	3,483	3,135	3,066	3,224
1	Gill Nets Total		2,421	:	2,675	2,722	2,894	3,115	3,098	3,200	3,379	3,470	3,684	4,029
COMMERCIA	Gill			:	1,071	1,021	1,063	1,124	1,098	1,045	1,066	1,032	1,038	1,038
	Year	1946	1947	1948	1940	1950	1951	1952	1953	\$954	1955	1956	1957	1958

*Trap Nets included with Pound Nets, 1946-1951.

DIVISION OF FOREST PROTECTION

The late Aubrey White, former Deputy Minister, may be regarded as the originator of forest protection as we know it.

His extensive report of March 30/85 on the emergency induced by increasing forest fire losses brought about government recognition of the necessity of immediate organized activity to meet the situation.

In the annual report for the following year Mr. White stated, "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees the net expense to the Province was under \$4,000". Mr White asked for \$8,000 for his new budget.

What had been accomplished received enthusiastic approval and laid the foundations of the fine organization which functions so well today.

Year by year the area under protection extended and so did the cost and so did the beneficial results.

The following are features:

The first legislation concerned with forest protection, "An Act to Preserve the Forests from Destruction by Fire", was placed in the statutes in 1878. In 1886 legislation which allowed sharing of fire ranging costs by the Province and licensee on licensed lands was enacted, to be supplemented by placing fire rangers on unlicensed Crown lands at public expense in 1897. This was further revised in 1910 when license holders were required to assume the full costs of fire ranging on licensed areas.

1911-16—HISTORIC FIRES

In 1911 the Porcupine fire occurred, burning over 864 square miles, causing \$3,000,000.00 property damage. This fire took 73 lives. Five years later, in 1916, the Matheson fire killed 223 persons, burned over 1,000 square miles and caused \$2,000,000.00 property damage.

1917-New Act

The "Forest Fires Prevention Act" of 1917, the forerunner of our present legislation established the permit system of controlling settlers' fires. The principle of the annual, per acre, protection charge on licensed lands (fire tax) was established under The Crown Timber Act in that year. This same year witnessed the appearance of motor-powered portable pumps in the Outario protection service. In contrast with the 7 pumps purchased in 1917 there are now more than 1,000 units, many of the very latest design, in use.

1922—HAILEYBURY FIRE

The Haileybury fire of 1922 took 44 lives and caused \$6,000,000.00 property damage while burning over 2,000 square miles.

1924—Air Service

The year 1924 is noteworthy in that it marks the formation of the Provincial Air Service. The fourteen IIS2L flying boats purchased in that year have been replaced by a series of other aircraft.

1927—RADIO SERVICE STARTED

Radio communication was first used by the Ontario protection service in the Red Lake Division of the Hudson Inspectorate in North-western Ontario. This was in the year 1927. In 1935 V.H.F. tower radio equipment went into service followed by aircraft radio equipment in 1939.

1938—FORT FRANCES FIRES

In 1938 there were 17 deaths as a result of fires in the Fort Frances District.

1941—This year saw Protection created as Division of the Department instead of a Branch as formerly.

1946—This year 1946 witnessed the initiation of the province-wide area-seen survey in connection with the tower detection system. The Forest Insect Laboratory at Sault Ste. Marie was completed in that year.

1948—New Fire Act

The Forest Fires Prevention Act was rewritten to its present form in 1948; only minor amendments have been added since that time. This was the year of the Mississagi fire with the subsequent salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

1949—Province-wide Radio Network Completed

The province-wide radio network, with the "key" station at Maple was completed in 1949.

1952—Flying Suppression Crews

In 1952 suppression crews were being carried on routine aerial detection patrols, and the year 1953 was marked by the use of helicopters, throughout the Fire Season, for the first time.

1953—Forest Pathology Laboratory

The Laboratory of Forest Pathology at the Southern Research Station, Maple, was completed in 1953.

1955—BAD FIRE YEAR

A very heavy and sustained fire-load was experienced in 1955. Suppression action featured mobility of resources, the use of water-bombing and cargo-dropping techniques, and the teamwork of the helicopters and the Beaver aircraft. The value of the larger, transport type, helicopter was well demonstrated during the critical period when, through the courtesy of the R.C.A.F., a Sikorski and a Piasecki were made available to the protection service.

1957—Forest Protection and Air Service Divisions were consolidated with Air Service as a branch of Forest Protection.

AIR SERVICE BRANCH

The use of aircraft owned by the Provincial Government in forest protection began in 1924 with the purchase of 15 H.S.2.L. flying boats and during that year 2,500 hours were flown. At that time the flying service was a part of the forest protection organization and Capt. W. Roy Maxwell previously with Laurentide Air Service was appointed its first director.

The installation of bases at strategic points through the forest area followed and this was accompanied by fuel caches appropriately located.

From time to time additions were made to the fleet including a Loening and a Vickers Vedette and as the older types became obsolete newer and more suitable types were obtained. These included the Moth, Stinson, Fairchild Hamilton, DeHavilland and Norseman.

In 1934 Capt. Maxwell was succeeded as Director by Mr. Geo. Ponsford who had a wide experience in both war and peacetime aircraft.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Departmental requirements. Their success in Ontario has led to their establishment in many parts of the world.

One Beaver, CF-ODN, was sold to Nova Scotia H.E.P.C. in 1956 and four Beavers have been written off: CF-OCF at Geraldton in 1950, CF-OCM at Temagami in 1951, CF-OCI at Dryden in 1952, and CF-OCW at Lauzon Lake in 1953. A total of 24 aircraft have been written off. The last of nineteen flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, reached fruition in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with these tanks which have proved to be very valuable in fire-fighting operations.

NUMBER OF ACRES BURNED OVER

YEAR	Crown	Private	Total	Number of Fires	Average Acreage
1925	132,481	57,062	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	189
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	45,510	966	47
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959*	2,580	2,699	5,279	1,027	5

^{*}Preliminary Report to Dec. 1st, 1959.

1959 FOREST FIRES (Preliminary Report)

District	Acres Burned	Number of Fires	Average Acreage
A CONTRACTOR OF THE STATE OF TH			7 77 1 10 to to 10000000
Chaplean	111	39	3
Cochrane	124	. 37	31/2
Fort Frances	205	38	51/2
Geraldton	134	39	31/2
Gogama	757	40	19
Kapuskasing	76	37	2
Kenora	55	43	1 1/2
Lake Huron			
Lake Simcoe	16	11	$1\frac{1}{2}$
Lindsay	38	40	1
North Bay	441	75	6
Parry Sound	156	94	11/2
Pembroke	82	57	1 1/2
Port Arthur	472	59	8
Sault Ste. Marie	115	75	11/2
Sioux Lookout	34	16	2
Sudbury	759	154	5
Swastika	1,235	59	21
Tweed	208	98	2
White River	261	16	16½
Monnis			
April	972	9()	10
May	1.051	162	61/2
June	692	161	41/2
July	2,045	340	6
August	514	247	2
September	5	26	
October		1	
Toru	5,279	1,027	5

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

ORIGIN	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959*
Sottlers	44	80	75	147	152	107	74	112	92	42	148	49	125	123	51
Compere	289	481	298	432	451	256	191	315	388	221	390	196	379	325	323
Smokers	231	383	248	461	340	258	173	214	279	147	298	145	342	371	159
Railwavs	163	249	180	333	138	66	139	131	188	82	189	122	176	149	19
Road Construction	4	21	30	46	85	47	28	26	13	11	13	34	73	63	12
Logoing	32	68	56	52	52	29	38	31	24	13	53	22	39	17	25
Mining	3	11	9	9	9	33	12	N	2	3	11	9	7	← I	2
Prospectors	3	2	2	2	9		:	:	1	2	11	00	3	- -1	4
Incendiary	00	31	15	35	32	. 16	16	13	19	25	31	00	26	43	13
Miscellaneous	36	89	31	31	94	89	74	108	143	74	148	123	194	229	116
Inknown	32	42	42	6	10	00	00	10	14	6	32	2	32	17	13
Lightning	121	303	410	433	468	93	151	130	357	252	928	302	275	219	242
TOTAL	996	1,739	1,393	2,036	1,834	985	904	1,095	1,520	881	2,252	1,017	1,671	1,558	1.027
Man Caused—Total	845	1,436	983	1,603	-	892	753	965	1,163	629	1,324	715	1,396	1,339	785
Percentage	87	83	7.1	7.0	74	91	83	00	77	71	20	70	84	98	76
Prosecutions											:	62	55	71	38
Convictions		:		:	:	:	:	:	:		:	26	41	62	35

*Preliminary Report to Dec. 1st, 1959.

Towers. Tow	MEANS OF DETECTION	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959*
121 197 264 411 337 117 122 139 216 126 395 189 202 121 134 260 158 241 168 93 72 82 122 46 102 57 141 87 141 142 143 142 143 143 143 143 143 144	Towers	314	615	424	575	630	352	310	344	528	353	891	262	575	581	414
134 260 158 241 168 93 72 82 122 46 102 57 141 87 75 87 194 87 75 87 194 87 75 87 194 87 75 87 194 87 75 87 194 87 194 194 194 194 195 195 195 195 195 195 195 195 195 195	Aircraft	121	197	264	411	337	117	122	139	216	126	395	189	202	121	16
1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1945 1946 1947 1948 1949 1950 1951 1952 1954 1955 1956 1957 1958	Rangers	134	260	158	241	168	93	72	82	122	46	102	57	141	87	99
1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 211 490 412 571 574 260 329 391 500 354 846 395 575 490 457 784 626 894 811 426 383 516 719 392 1,004 456 741 753 75 129 97 155 122 92 45 65 102 36 120 46 120 108 159 333 177 285 242 155 115 103 146 81 188 66 187 178 5	Public	397	299	547	800	669	423	400	530	654	356	864	509	753	769	456
211 490 412 571 574 260 329 391 500 354 846 395 575 44 457 784 626 894 811 426 383 516 719 392 1,004 456 741 7. 75 129 97 155 122 92 45 65 102 36 120 46 120 140 159 171 159 171 171 172 285 242 155 115 103 146 81 188 66 187 11 11 13 12 24 16 3 5 3 7 7 2 16 4 7 7 7 169 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Size	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959*
211 490 412 571 574 260 329 391 500 354 846 395 575 4 457 784 626 894 811 426 383 516 719 392 1,004 456 741 7. 159 233 177 285 242 155 115 103 146 81 188 66 187 1 5																
457 784 626 894 811 426 383 516 719 392 1,004 456 741 7 75 129 97 155 122 92 45 65 102 36 120 46 72 11 159 23 177 285 242 155 115 103 146 81 188 66 187 1 5 11 13 12 24 16 3 5 3 7 2 16 4 7 7 10 12 19 24 7 6 4 1 13 5 18 21 3 1 1 1 1 1 1 3 1 1 1 1 1 3 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1<	14 acre	211	490	412	571	574	260	329	391	200	354	846	395	575	490	69 1
	1/4-5 acres	457	784	626	894	811	426	383	516	719	392	1,004	456	741	753	433
	5-10 acres	75	129	16	155	122	92	45	65	102	36	120	46	120	108	59
5 43 78 50 74 61 43 21 16 33 9 52 26 37 7 2 11 13 12 24 16 3 5 3 7 7 2 16 4 7 7 10 12 19 24 7 6 4 1 13 5 18 21 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10-100 acres	159	233	177	285	242	155	115	103	146	81	188	99	187	178	56
SS 11 13 12 24 16 3 5 3 7 2 16 4 7 7 8 18 21 3 5 8 3 1	100-500 acres	43	78	50	74	61	43	21	16	33	6	52	26	37	20	6
(Acres) 47 44 60 500 33 37 112 11 39 62 176 222 28	500-1,000 acres	11	13	12	24	16	3	15	3	7	2	16	4	7	4	1
(Acres) 47 44 60 500 33 37 112 11 39 62 176 222 28	1,000-10,000 acres	10	12	19	24	7	9	4	1	13	S	18	21	3	N	:
47 44 60 500 33 37 112 11 39 62 176 222 28	Over 10,000 acres	:	:	:	6	-	:	2	:	:	2	00	3	-	:	:
	AVERAGE SIZE (Acres)	47	44	09	500	33	37	112	111	39	62	176	222	28	24	10

*Preliminary Report to Dec. 1st, 1959.

ESTIMATED FIRE DAMAGE (In Years Ending 31st December)

PRIVATE	DAMAGE	\$103,682	56,389	31,347	81,778	15,650	184,940	22,319	113,751	97,036	20,757
TOTAL	DAMAGE	\$ 55,148	389,447	29,504	393,874	406,241	3591,680	3,068,152	463,059	311,503	:
DUCTION*	Total	\$10,927 \$ 19,538	93,552	9,722	97,654	157,154	913,953	197,901	34,808	88,818	:
DAMAGE TO REPRODUCTION*	Private	\$10,927	1,121	553	9,843	793	13,622	2,411	11,722	35,242	:
DAMAGE	Crown	\$ 8,611	92,431	9,169	87,811	156,362	900,331	195,491	23,086	53,576	:
GE nly)	Total	\$19,365 \$ 35,609	295,895	19,782	296,220	249,087	5,870 2,677,727	2,870,251	428,252	222,685	21,851
TIMBER DAMAGE (Crown Dues, Only)	Private	\$19,365	1,880	5,769	16,880	838	5,870	2,118	21,876	49,309	:
TIME (Crow	Crown	\$ 16,244	294,015	14,013	279,340	248,249	2,671,857	2,868,133	406,376	173,377	
AGE	Total	3,561	29,590	1,978	29,622	24,909	267,773	74 155,378	21,121	11,186	713
FIMBER DAMAGE (000's Cu. Ft.)	Private Total	1,937	188	577	1,688	84	587	74	1,014	2,465	42
TIMB (000)	Crown	1,624	29,401	1,401	27,934	24,825	267,186	155,305	20,107	8,721	671
	YEAR	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959**

**Prelminary Report to Dec. 1st, 1959. *Protection Chages, 1950-1955

REPORT OF MAJOR EQUIPMENT (As of March 31st, 1959)

Snow	.m . 1 . 100	10
Veloci- pedes		22
Rlwy. Motor Cars		44
Trac-	388332 112320000000000000000000000000000000	186
Trail- ers	100 100 100 100 100 100 100 100 100 100	249
Trucks and Autos	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	918
Barges and Scows	::::::::::::::::::::::::::::::::::::::	7
In- board Boats	#	400
Outboard Boats Motors	23	785
	222222 2222222222222222222222222222222	519
Canoes	84585 8458	1,005
Binocu-	017. 3	647
Blan- kets	1,874 1,874 1,0565 1,0565 1,066 1,066 1,106 1,067 1,06	29,024
Eider- downs	888 888 888 888 888 888 888 888 888 88	1,671
Tents	132 87 87 88 108 60 60 118 135 135 135 138 138 138 138 138 138 138 138 138 138	2,483
(0000's ft.) Fire Hose	1337 1233 1233 1233 1248 1260 1270 1270 1270 1270 1270 1270 1270 127	3,551
Portable (Pumps wer Hand	230 743 169 205 205 206 100 100 100 200 100 200 100 200 100 200 100 200 100 200 100 200 2	8,336
Portable Pumps Power Hand	1447 1447 1447 1447 1447 1447 1447 1447	1,396
DISTRICTS REGIONS AND OTHERS	Chapleau Chapleau Chapleau Ear Frances Gert Frances Kanuskasing Kanuskas	TOTAL

MAJOR EQUIPMENT (AS OF 31st MARCH)

6661	1,396 8,336 3,551	2,483 1,671 29,024	647	1,005 519 785 48	7	918 249 186	44	10
1930	1,255 8,712 3,890	2,438 1,597 9,505 2	615	1,052 493 800 59	9	861 205 312	44 24	4
1953 1954 1955 1950 1957 1958 1959	1,215 7,899 3,312	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	609	1,073 459 771 60	4	751 166 134	46	10
1950	1,218 7,907 3,319	2,376 1,506 31,582	642	1,087 434 771 64	:	786 141 121	47	00
1955	1,097 6,362 2,714	1,997 1,365 32,668	573	1,114 418 752 55	:	715 107 101	45	7
1954	1,062 6,406 2,826	2,030	575	1,061 379 690 61	:	730	49	:
1953	1,029 6,206 2,743	1,841	556	1,142 373 648 63	:	666	50	:
1951	976 6,154 2,266	1,698	445	1,084 278 552 63	:	491	44	:
1950	896 5,717 2,144	1,567	382	1,003 231 501 57	•	400	44	:
1949	838 4,622 2,148	1,611	369		:	318	46	:
1948	795 4,309 2,110	1,558	325	1,041 1,051 438 476 61 60	:	279	47 50	
1947	729 4,141 1,922	1,321	229	1,044	:	201	47	:
1946	710 3,656 1,838	1,267	167	977		140	49	:
1945	3,556 1,752	1,272	259	986	:	130	49	•
1944	634 3,467 1,902	1,274	170	987	:	128	48	:
	Portable Power Pumps Portable Hand Pumps Hose (000 s Feet)		Binoculars	CanoesBoats (Outboard) Motors (Outboard)Boats (Inboard)	Barges and Scows	Trucks and Autos Trailers	Railway Motor Cars	Snowmobiles

899 1,047 1,140

Radio Sets, Stations

MAJOR IMPROVEMENTS (COMPLETED AS OF 31st MARCH)

A STATE OF THE PARTY OF THE PAR															
Cabins	527	538	547	561	537	514	534	555	525	508	489	511	512	547	567
Storehouses	136	144	152	150	149	150	134	135	138	143	144	146	189	195	199
Boathouses	43	59	09	61	56	63	89	29	72	74	82	83	82	80	79
Store and Boat Houses	36	27	27	14	17	15	18	18	24	17	24	26	24	24	25
21															
Bunkhouses	17	63	62	64	57	09	28	09	89	64	65	00	95	102	68
Offices	29		36	36	39	46	54	52	52	61	61	62	72	82	77
Garages, Carhouses	00		89	92	66	93	106	104	114	139	182	208	247	238	236
Other Buildings	200	213	213	220	269	232	266	280	325	309	391	365	451	532	603
,															
Hose Towers	55	53	63	51	62	58	49	41	51	33	30	32	36	36	43

3,567 3,420 3,061 2,810 2,669 2,216 2,316

292

280 288

279

32 279

281

230 231

225 227 4,727 4.455

3,740 3,956 3,769 3,775 3,651

FOREST PROTECTION PERMITS

	Fire	Work I	PERMITS	TRAVEL	PERMITS
YEAR	PERMITS	Permits	Men	Permits	Persons
1925	11,962				
1926	13,466				
1927	13,593			6,548	15,669
1928	13,611			15,406	42,566
1929	14,038			20,738	51,443
1930	15,094			36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988			9,774	28,606
1936	18,964			8,447	. 26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	. 34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,939	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)

1945	26 April 12 May 26 April 27 April	12 May 10 May 5 May 23 May	9 May 2 May 10 May 3 May	10 April 10 May 1 May 20 April 12 May
1944	3 May 19 May 7 May 15 May 14 May	19 May 20 May 17 May 23 May	8 May 16 May 19 May 17 May	27 April 15 May 8 May 8 May 18 May
1943	8 May 5 June 17 May 12 May	18 May 12 May 18 May 28 May	11 May 11 May 22 May 21 May	10 May 17 May 7 May 18 May 19 May
1942	26 April 5 May 27 April 29 April	29 April 29 April 1 May 8 July	4 May 29 April 4 May 5 May	24 April 29 April 29 April 5 May
1941	21 April 10 May 2 May 2 May	1 May 30 April 13 May 12 May	1 May 14 May . 1 May 10 May 17 May	1 May 30 April 3 May 12 May
1940	5 May 19 May 7 May 15 May	18 May 15 May 22 May 28 May	9 May 24 May 9 May 23 May 29 May	2 May 18 May 4 May 7 May 23 May
1939	7 May 15 May 12 May 11 May	12 May 9 May 16 May 19 May	14 May 29 May 12 May 13 May 22 May	28 April 11 May 5 May 13 May 18 May
1938	6 May 24 May 2 May 11 May	14 May 12 May 9 May 14 May	18 May 14 May 16 May 16 May	21 April 5 May 30 April 3 May 16 May
1937	3 May 17 May 8 May 13 May	25 May 17 May 15 May 7 May 10 May	27 April	13 May 4 May 18 May
1936	4 May 24 May 14 May 19 May	19 May19 May18 May24 May24 May	28 May 15 May 1 June	1 April 18 May 8 May 1 June
1935	1 May 21 May 14 May 3 May	17 May 15 May 10 May 20 May 23 May	3 May 23 May	2 May 16 May 2 May 21 May 16 May
1934	4 May 25 May 14 May 15 May	20 May 16 May 11 May 19 May 26 May	12 May 25 May	24 April 16 May 8 May 26 May 19 May
1933	29 April 27 May 15 May	16 May 3 July 10 May 16 May 10 June	6 May	21 April 10 May 3 May 14 May 15 May
Base	Algonquin Park Caribou Lake Biscotasing Fort Frauces	Goose Island Ignace Kenora Oba Lake	Pays Plat Pickle Lake Port Arthur Red Lake	Sault Ste. Marie Sioux Lookout Sudbury. Temagami. Twin Lakes

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)—Cont'd

ri d	1046	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Algonquin Park Carey Lake Caribou Lake Chapleau	30 April 23 May	8 May 3 June	19 April 19 May 8 May	2 April 9 May 10 May	17 May 1 June 16 May	29 April 21 May 30 April	24 April 10 May 7 May 8 May	21 April 15 May 14 May 8 May	29 April 18 May 27 May 4 May	21 April 30 April 1 May 22 April	11 May 27 May 1 June 14 May	25 April 7 May 13 May 3 May	23 April 9 May 15 May 24 April
Biscotasing Eva Lake Fort Frances Geraldton	22 April 27 April 7 May	16 May 20 May 14 May 20 May	8 May 11 May 14 May 27 April 10 May	1 May 30 April 4 May 30 April 3 May	20 May 24 May 20 May 8 May 22 May	10 May 7 May 9 May 24 April 9 May	30 April 1 May 5 May 23 April 1 May	29 April 4 May 7 May 29 April 5 May	17 May 13 May 18 May 3 May 18 May	28 April 27 April 27 April 22 April 28 April	16 May 16 May 17 May 14 May 16 May	6 May 29 April 7 May 1 May 6 May	* 18 April 5 May 28 April 2 May
lgnace	14 May	20 May	8 May	3 May		10 May 10 May	2 May 1 May 8 May	7 May 7 May 18 April 10 May	9 May 18 May 28 April 15 May	26 April 27 April 19 April 28 April	22 May 17 May 7 May 16 May	10 May 6 May 29 April 9 May	4 May 15 April 17 April 2 May 4 May
Oba Lake Orient Bay Parry Sound Pays Plat	7 May 30 April 26 May	12 June 6 May 14 May 2 June 2 June	18 May 12 May 8 May 18 May 18 May	12 May 13 April 7 May 9 May	23 May 27 April 18 May 3 June 19 May	16 May 17 April 8 May 17 May 2 May	7 May 23 April 2 May 7 May 22 April	8 May 30 Mar. 6 May 13 May 30 April	21 May 20 April 11 May 2 June 7 May	1 May 18 April 4 May 6 May 22 April	1 June 3 May 15 May 1 June 30 April	13 May 28 April 6 May 13 May 29 April	** 21 April 2 May 16 May 30 April
Port Arthur Red Lake Remi Lake Sault Ste, Marie Sioux Lookout	7 May 15 May 11 April 3 May	26 20 30 20 27	13 May 10 May 14 April 12 May 1 May	3 May 4 May 7 April 1 May 3 May	23 23 27 27 27 27 27 27 27 27 27 27 27 27 27	3000		8 May 13 May 27 Mar. 7 May 5 May	21 May 19 May 13 April 20 May 5 May	28 April 29 April 19 April 27 April 27 April	19 May 21 May 3 May 19 May 15 May	9 May 6 May 29 April 10 May 6 May	2 May 7 May 26 Mar. 1 May 2 May
Sudbury Tweed Tweed	13 April 23 April 22 May	471:00	7.00	202	12 April 15 May 30 May	25 April 1 May 1 May	28 April 1 May 16 May	20 April 28 April 13 May 11 May	29 April 4 May 22 May 18 May	19 April 26 April 6 May 29 April	9 May 17 May 17 June 21 May	1 May 3 May 28 April 10 May 10 May	18 April 2 May 18 April 13 May 2 May
White Kiver	•				*Mo	Moved to Nym Lake	Lake		X**	**Moved to Port Arthur	ort Arthur		

AIR SERVICE BRANCH BASE OPENING DATES

(or First Float Flying)—Cont'd

Base	1959
Algonquin Park. Carey Lake. Caribou Lake. Chapleau. Fort Frances.	5 May 12 May 15 May 4 May 28 April
Geraldton Gogama Ignace Kenogami Kenora	10 May 6 May 8 May 12 May 30 April
Lauzon Lake Nym Lake Oba Lake Parry Sound Pays Plat	29 April 8 May 11 May 27 April 8 May
Pickle Lake. Port Arthur Red Lake Remi Lake. Sault Ste. Marie	15 May 24 April 14 May 12 May 8 April
Sioux Lookout. South Porcupine. Sudbury. Temagami. Tweed.	14 May 8 May 1 May 8 May 27 April
Twin Lakes	15 May 12 May

TORONTO: Year round.

FLYING TIME—PILOTS

Ballantyne DE 645:05 291:35 936 Beaushene DG 2,086:50 362:50 2,449 Bieck AH 284:00 284 Buckworth WB 3,019:15 3,019 Burtt AE 6,504:15 394:55 6,899 Calver DRH 1,771:10 346:15 2,117 Campbell GE 2,730:05 591:20 3,321 Colfer AP 3,760:25 679:30 4,33 Cooke TC 5,020:10 372:55 5,393 Cram WW 46:00 247:55 293 Croft BR 37:10 384:20 421 Croft BR 37:	SURNAME	Initials	1924-58	1958-59	Total
Ballantyne DE 645:05 291:35 936 Beaushene DG 2,086:50 362:50 2,449 Bieck AH					
Ballantyne DE 645:05 291:35 936 Beaushene DG 2,086:50 362:50 2,449 Bieck AH	Allen	DW	1.724:40	217:10	1,941:50
Beaushene DG 2,086:50 362:50 2,449 Bieck AH		DE			936:40
Bieck AH 284:00 284 Buckworth WB 3,019:15					2,449:40
Buckworth. WB 3,019:15			2,000100		284:00
Burtt. AE 6,504:15 394:55 6,890 Calver. DRH 1,771:10 346:15 2,117 Campbell. GE 2,730:05 591:20 3,321 Colfer. AP 3,760:25 679:30 4,439 Cooke. TC 5,020:10 372:55 5,339 Cram. WW 46:00 247:55 293 Croft. BR 37:10 384:20 421 Croal. DM	Buckworth		3.010-15		3,019:15
Calver. DRH 1,771:10 346:15 2,117 Campbell. GE 2,730:05 591:20 3,321 Colfer. AP 3,760:25 679:30 4,439 Cooke. TC 5,020:10 372:55 593 Cram. WW 46:00 247:55 293 Croft. BR 37:10 384:20 421 Croll JG 6,076:25 453:35 6,393 Obyek. EJ 98:30 67:10 165 Swans. FB 3,234:50 267:30 3,502 Glennie. NA 976:10 383:35 1,359 Hoar. HA 2,277:20 170:35 2,447 Hoeberg. PS 1,853:50 292:35 2,446 Hogill. <td></td> <td></td> <td></td> <td></td> <td>6,899:10</td>					6,899:10
Campbell. GE 2,730.05 591.20 3,321 Colfer. AP 3,760.25 679:30 4,339 Colfer. AP 3,760:25 679:30 4,339 Cooke. TC 5,020:10 372:55 5,393 Cram. WW 46:00 247:55 293 Croft. BR 37:10 384:20 421 Croal. DM 319:50 319 Croal. DM 319:50 319 Cellition. JF 3,954:15 19:25 3,973 Scellition. JG 6,076:25 453:35 6,530 Oyck. EJ 98:30 67:10 165 Syans. FB 3,234:50 267:30 3,502 Siskar. UW <td< td=""><td></td><td></td><td></td><td></td><td>2,117:25</td></td<>					2,117:25
Colfer. AP 3,760:25 679:30 4,439 5,006ke TC 5,020:10 372:55 5,393 5,700:25 7,701 8R 37:10 384:20 421 7,000:20 372:55 3,993 3,100 384:20 421 3,000:20 3					3,321:25
Cooke T C 5,020:10 372:55 5,393 Cram WW 46:00 247:55 293 Croft BR 37:10 384:20 421 Croal DM 319:50 319:50 319 Denley JG 6,076:25 453:35 6,530 Oyck EJ 98:30 67:10 165 Oyans FB 3,234:50 267:30 3,502 Siskar UW 2,422:55 337:55 2,760 Silennie NA 976:10 383:35 1,359 Joar HA 2,277:20 170:35 2,447 Loeberg PS 1,853:50 292:35 2,146 Jugill WA 1,361:50 268:20 1,630 Kirk CJ 3,369:05 361:05 3,730 Jamont JA 2,476:35 329:50 2,806 JeeFeuvre CJ 7,526:55 345:30 7,877 Jamont <td></td> <td></td> <td></td> <td></td> <td></td>					
Cram WW 46:00 247:55 293 Croft BR 37:10 384:20 421 Croft BR 37:10 384:20 421 Croal DM 319:50 319 Dulliton JP 3,954:15 19:25 3,973 Dyck EJ 98:30 67:10 165 Syans FB 3,234:50 267:30 3,502 Siskar UW 2,422:55 337:55 2,760 Slennie NA 976:10 383:35 1,359 Hoar HA 2,277:20 170:35 2,447 Joar HA 2,277:20 170:35 2,446 Hugill WA 1,361:50 268:20 1,630 Lincaid J 5,784:10 445:30 6,229 Lincaid J 3,69:05 361:05 3,730 Jamont JA 2,476:35 329:50 2,806 Sefeuve <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Croft BR 37:10 384:20 421 Croal DM 319:50 319 Croal DM 319:50 319 Croal DM 319:50 319:50 Sums FB 3,954:15 19:25 3,973 Syans FB 3,234:50 267:30 3,502 Siskar UW 2,422:55 337:55 2,702 Glennie NA 976:10 383:35 1,359 Hoar HA 2,277:20 170:35 2,447 Ioeberg PS 1,853:50 292:35 2,146 Iugill WA 1,361:50 268:20 1,630 Kirk CJ 3,369:05 361:05 3,730 amont JA 2,476:35 329:50 2,86 zereuve CJ 7,526:55 345:30 7,872 zowe B 500:05 216:40 716 North DH<					
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Furcotte LG 255:00 201:25 456 Other Pilots					1,949:10
Other Pilots					6,760:00
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292,503:15 12,277:35 304,780			292,503:15	12,277:35	304,780:50

AIRCRAFT SERVICE RECORD

46 Aircraft	Year Purchased	Effective Load (tons) 1958-59	FLYING 1958-59	Hours 1924-59
39 Beaver				
CF-OBS	1948	149	457:50	4.215.00
CF-OBT	1948	120	371:35	4,315:00 3,691:45
CF-OBU	1948	113	202:15	3,338:30
CE-OBV	1948	97	179:30	3,735:25
CF-OBV CF-OBW	1948	50	144:35	3,144:00
CF-OBX	1948	222	426:55	3,767:10
CF-OBY	1948		2:35	3,455:35
CF-OBZ	1948	18	31:55	3,493:05
CF-OCA	1948	130	229:00	3.015:15
CF-OCB	1948	111	418:05	3,906:40
CF-OCC	1948	68	261:35	3,285:20
CF-OCD	1948	71	212:55	2,981:20
CF-OCE	1949	137	317:55	3,729:40
CF-OCG	1949	61	211:20	2,803:55
CF-OCH	1949	65	261:15	2,882:10
CF-OCJ	1949	57	187:20	2,494:05
CF-OCK	1949	218	447:45	3,276:00
CF-OCL	1949	120	288:00	3,073:45
CF-OCN	1949	125	276:25	3,459:25
CF-OCO	1949 1949	103	274:05	3,063:15
CF-OCQ	1949	273 50	563:25	3,128:05
CF-OCR	1949	31	223:25 115:05	3,658:55 3,083:10
CF-OCS	1949	83	318:15	3,702:25
CF-OCT	1949	96	339:00	2,750:30
CF-OCU	1950	66	208:30	2.978:10
CF-OCV	1950	81	51:35	2,322:40
CF-OCX	1950	72	84:35	2,366:30
CF-OCY	1950	148	221:10	2,539:20
CF-OCZ	1950	68	277:30	2,074:30
CF-ODA	1951	126	493:55	2,416:35
CF-ODB	1951	85	281:05	2,870:00
CF-ODC	1951	113	595:05	3,491:10
CF-ODD	1951	11	77:55	724:15
CF-ODE	1951	47	422:30	1,847:05
CF-ODF	1952	93	296:20	2,557:30
CF-ODG	1952	72	342:10	2,410:30
CF-ODO	1955	14	114:40	406:35
CF-ODS	1956	48	104:45	178:00
6 OTTER	1052	202	224 50	4 420.55
CF-ODJ	1953	203	321:50	1,439:55
CF-ODK	1953	96	138:45	1,665:05 1,572:10
CF-ODL	1953 1956	272 151	293:05 287:05	705:00
CF-ODP CF-ODQ	1956	253	376:35	960:05
CF-ODT	1957	275	377:40	754:40
Widgeon				
CF-ODR		10	148:50	609:15
	£	-	22010.5	183,716:10
All Other Aircrai	i t			103,710.10
Totals		4,871	12,277:35	303,839:45

HOURS FLOWN ON VARIOUS OPERATIONS (Summary as of March 31st)

Effective Load d (tons)	22.234	3.432	3.367	3.164	2 070	0,019	3,918	3,459	6,091	3,481	3,497	4,871		66,613
Per- Eff										5,099				146,098
Pas- sengers Carried, C	55 583	30,687	27,140	20 430	00,400	25,900	31,109	29,256	46,478	28,789	28,636	27,506		471,523
Total Flying s Hours (175 200	12 521	11,002	100001	12,000	11,889	13,564	12,389	17,785	11,692	12,506	12.278		304,781
Ks No.		:	:	:	:	;	331	28	17	22	28	2.1	1	
Mercy Flights Hours No.	36.1	307		7 0	108	20	53	35	55	34	44	30		806
Comm. Flying		1 .	617	507	188	150	574	398	458	384	327	421	171	3,411
Photo	1	1,415	:	- 6	273	280	187	244	130	148	24			2,701
Sur- veys		:	:	:	:	26	124	181	128	72	23	- L	CT	639
Re- search		1,442	- 1	303	360	266	386	284	102	100	212	100	109	3,833
arks		:	:	:	:	:					311	272	717	583
Lands Parks		:	110	283	153	149	376	246	181	180	100	000	200	2,068
F&W Mngt.		2,985	1,644	2,029	2,086	1,980	1.972	2 362	2,202	00000	2,007	7,007	3,615	26,133
Timber Mngt.		:	604	938	903	674	082	1 040	1,040	000	900	100	876	8,648
Fire Ranging		88,732	6,926	4,211	5,498	5.278	6 302	100° n	3,093	0,000	7,50,0	2,052	4,275	148,711
Vear	1924-	1949	1950	1951	1952	1953	1054	1001	1933	1950	1957	1958	1959	TOTAL

DEPARTMENT RADIO STATIONS

(As at June 2	9, 1959)			ENCIES
DISTRICT	STATION	CALL SIGN	H.F. Kc/s	V.H.F. Mc/s
FORT	Fort Frances	XLN21	4460	
FRANCES	Lac La Croix	XLN22	44	46
	Atikokan	XLQ71		46
	Rainy River French Lake	XLR59		
	Nym Lake	11	66	46
	Cache Bay	66	100	
	Prairie Portage	4	66	
	Cabin 16	XLN29	**	
KENORA	Kenora	XLN34	4460	46.78
12111101111	Minaki	XLN32		
	Sioux Narrows	XLN42	44	16
	Dryden	XLN35	£\$	46
	Ignace	XLN23	- 44	46
	Nestor Falls	XLN24 XLS87		46
	Vermillion Bay Dyment	XLO96		**
	McIntosh	XLN27	46	
		777 3744		
Sioux	Sioux Lookout	XLN37	4460	46.86
Lookour	Red Lake Pickle Lake	XLN43 XLN38	46	
	Armstrong	XLN40	46	
	Cedar Lake	XLN75	16	
	Sturgeon Lake	XLQ74	46	
	Ear Falls	XMN50	"	
	Winisk	XLR62	22	
PORT	Port Arthur	XLN45	4580	46.70
ARTHUR	Shebandowan	XLN47	is	**
	Black Sturgeon Lak	e XLN48	66	66
	Upsala	XLN217	1.0	44
GERALDTON	Geraldton	XLQ35	4580	46,78
.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Pays Plat	XLN56	44	.,
	Marathon	XLN54	44	
	Killala Lake	XLN55	44	"
	Hillsport	XLQ46	"	66
	Nakina Longlac	XLS53 XLS52	44	46
	Macdiarmid	XLN49	44	и
	7771 to To t	377 070	4000	16.60
WHITE	White River	XLQ78 XLN62	4880	46.62
RIVER	Franz Wawa	XLN63	+4	
	Mobert	XLN61	44	
	Manitouwadge Lake	e XMN25	46	
SAULT	Sault Ste. Marie	XLN58	4880	46.78
STE MADIE	Blind River	XLN65	44	40.78
SIE. MARIE	Peshu Lake	XLO41	44	
	Sand Lake	XLQ41 XLQ77	44	
	Pancake Bay		46	"
	Kirkwood Mount Lake	XLR39 XLP44	44	66
		not yet issued	66	и
	Camp 4	>		

DEPARTMENT RADIO STATIONS-Cont'd

(As at June	29, 1959)		NORMAL O	ENCIES
DISTRICT	STATION	CALL SIGN	Kc/s	V.H.F. Mc/s
Gogama	Gogama Elsas Foleyet Opishing Lake Ronda	XLN78 XLN79 XLN84 XMN42 XLP69	4880 " "	46.82 ""
Chapleau	Chapleau Missanabie Sultan Biscotasing Unegam Lake	XLN82 XLR52 XLQ73 XLN80 not yet issued	4880 "" ""	46.70 "
SUDBURY	Sudbury Skead Espanola Jamot Massey Windy Lake Southbaymouth Sandfield	XLN77 XLQ80 XLQ44 XLR30 XLR29 not yet issued XLS86 not yet issued	4880 « « « « « «	46.86
KAPUS- KASING	Kapuskasing Hearst Hornepayne Oba Nagogamisis Lake Rogers Township	XLQ36 XLN69 XLN73 XLN74 not yet issued	4535 « « «	46.86
Cochrane	Cochrane Timmins Wade Lake Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake	XLN208	4535 " "	46.78
Swastika	Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery	XLN68 XLN72 XLS54 XLN95 XLN96 XLO90 XLO89 XLO84 XLR64 XLN212	4535 "	46.62
North Bay	North Bay Temagami Lady Evelyn Lake McLaren's Bay	XLN83 XLN81 XLN42 XLN207	4520 "	46.78
Ремвгоке	Pembroke Smoke Lake Brent Stonecliffe Whitney Achray Round Lake	XLN92 XLN90 XLN91 XLN94 XLQ43 XLQ47 XLR40	4520 	46.86

DEPARTMENT RADIO STATIONS - Cont'd

(As at June 2	29, 1959)		Normal (Frequ	PERATING ENCIES
DISTRICT	Station	CALL SIGN	H.F. Kc/s	V.H.F. Mc/s
Parry Sound	Parry Sound Loring Powassan Byng Inlet Ardbeg Dorset Bracebridge	XLN89 XLN93 XMN35 XLS24 XMN33 XMN34 not yet issued	4520	46.62
TWEED	Tweed Bancroft Palmer Rapids Dacre Plevna Gilmour White Lake Napanee Green Lake	XLQ69 XLQ50 XLR41 XLS23 XLN53 XMN40 XLP75 XLQ31 XLQ31 XLR61	4775 « « «	46.70 « « « « « «
LINDSAY	Lindsay Minden Gooderham Haliburton Peterborough Presqu'ille Park Apsley Ranger School	XLR57 XLQ70 XMN27 XLR43 XLR63 XLN46 XMN44 XLN25	4775 " "	46.78
KEMPTVILLE	Kemptville	XMN41	4775	46.62
LAKE ERIE	Aylmer St. Williams Rondeau Park Pinery Park	XLO52 XMN28 XLR60 not yet issued	4775	
Lake Simcoe	Coldwater Severn Falls Honey Harbour Six Mile Lake	XMN36 XMN37 XMN39 XLR85	4775 "	
HEAD OFFICE* Toronto	Island Airport Maple Laboratory Maple	XLO53 XLN20 XLP22	4775 4520 4535 4775 4880 5410 5499 9160	46.62 46.70 46.74 46.78 46.82 46.86

^{*}Maple frequently uses 5410 and 9160 Kc/s, to reach District Office stations; answers aircraft on their own frequency.

DIVISION OF OPERATIONS

When reorganization of the Department was decided upon in May, 1941, the plan included two Service Divisions, one of which (Accounts Branch) already existed, and the other, a new Division, to service the others by taking responsibility for enlistment of staff, purchase of supplies and equipment, allocation of space, promotions, distribution and pay of personnel and the operation of the central basic records system and messenger service. Placing these matters under one cover relieved the other Divisions and left them free to concentrate on primary responsibilities.

The Chief of the new Division, Mr. P. O. Rhynas, was transferred from the Department of Labour. The Division was set up in two main sections, Personnel and Office Management, and Information and Education.

On December 1st, 1957, the Minister announced the appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, and that certain Head Office Divisions would be consolidated. Thus, the Division of Operation and Personnel became the Division of Operations with Personnel becoming a section of the Department responsible to one Assistant Deputy Minister.

The welfare, training, promotion, distribution and maintenance of a staff as large and widely spread as that of the Department of Lands and Forests is a work of vital importance. To supply such a body with the essentials places the work in the field of big business. The Division contains four Sections:

OFFICE MANAGEMENT, responsible for procurement, purchasing, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established April 1st, 1958), responsible for storage and supply of equipment and a large volume of printing and distribution of printed matter;

Conservation Information, responsible for Department publications (including SYLVA) and literature, press releases, various public appeals, and the supply of photographs and colour slides;

Conservation Education, responsible for making and supply of motion films, lectures, radio and television broadcasts, and Department displays at Exhibitions.

LECTURE TOURS

Number of Meetings and Attendance

YEAR	SCI	Scноог	Pt	Ривыс	DEPAI	DEPARTMENT	On For Asso	Ontario Forestry Association
1944	One Lect	One Lecturer Started						
1945	:	65,886	:	5,161	:	71,047	:	
1946	423	53,913	198	17,169		:	:	
			(48	7,389 Camps)	:	78,471	:	
1947	405	50,990	377	22,481	782	83,471	:	:
1948	780	101,360	752	58,615	1,532	159,975	:	
1949	876	89,020	655	71,969	1,531	160,989	20	1,511
1950	827	93,895	629	136,293	1,456	230,188	401	83,566
1951	675	80,411	913	75,850	1,588	156,261	1,241	128,052
1952	702	50,900	1,246	84,283	1,948	135,183	1,141	185,552
1953	721	53,679	1,223	86,895	1,944	140,574	611	119,313
1954	1,196	89,835	1,546	95,701	2,742	185,536	792	100,650
1955	1,143	92,381	1,526	116,263	2,669	208,642	:	
1956	1,076	90,540	1,402	107,746	2,478	198,286	703	56,39
1957	1,261	93,672	1,710	127,174	2,971	220,846	674	68,758
1958	972	67,013	1,708		2,680	164,347	538	68,832
1959	831	68,146	2,196		3,027	192,849	433)	40,430

INFORMATION AND EDUCATION SERVICES (In Years Ending 31st March)

Vear	Motion Films (titles)	35 mm. Colour Slides	Photo Prints Loaned to Publishers	Exhibi- itions	Letters of Enquiry Answered*	Adminis- Conser tration vation	SEMENTS Conservation	PUBLICATIONS No. of Distri Titles bution	Distri- bution
2 2 2								16	
1942	:	:	:::	:			:	10	:
1943	:	:	:	:	:	:	:	27	:
1944	:	:	:	:	:	:	35	26	:
1945	:	:	:::	:	:	:	17	30	:
1946	24	:		:	:	77	26	29	:
1947	25	:	`	00	4,200	508	65	53	:
1948	26	:		13	006'9	:	:	53	:
1949	28	:	:::	15	7,700	130	57	7.2	:
1950	28	:	1,800	38	8,065	09	44	72	
1951	38	:	1,800	64	7,200	127	43	72	:
1952	56	:	1,800	64	8,100	57	39	26	:
1953	73	750	2,100	89	000,6	74	27	55	:
1954	89	750	1,800	75	000'6	57	36	72	
1955	119	750	3,500	75	7,000	103	45	87	
1956	159	1,000	4,500	75	8,400	66	55	84	:
1957	178	1,500	6,000	75	10,800	112	53	92	:
1958	208	1,500	0000'6	75	14,600	93	52	109	:
1959	226	1,800	9,200	75	21,010	139	54	116	:

^{*}Information supplied to general public, in addition to many enquiries in person and by telephone.

PURCHASING AND SUPPLY (In years ended March 31st)

Vear	Requisitions*	Direct Purchase Orders*	Supplies Sh Tons	Supplies Shipped Out*** Tons Parcels	Licences***	Circulars, Card and Pamphlets
		The second secon	A STATE OF THE PERSON NAMED IN COLUMN STATE OF THE PERSON NAMED IN			
			, F	40.000	701 410	170.000
0703			150	10,000	071101	
1949			160	12 000	774 470	
1050			100	12,000	012121	
1930			4 10	40 500	000 608	104.300
1000			0/1	12,300	000,100	1 0 1
1931			T. T.	42 500	268 300	105.000
0 1			1/5	13,500	000,000	200,004
1952			1	4 4 000	010 480	105 000
6 2 6 7			1/0	14,000	910,490	200,000
1955			000	40,000	1 000 5000	135.000
4054	13.500	7,658	200	19,000	1,000,000	20000
1934		1	410	7 100	1 055 200	148.700
1000	12.500	5,633	0/4	7,100	1,000,1	
1933	0 0 0	1			1 120 654	
1056	7.079	5,224			10000	
1930		000	400	0.450	1 154 000	
1057	6.530	3,938	488	0,430	1,101,000	
1931		000	0 11 0	17 040	1 212 920	500.000
40%0	6 233	3,983	230	0.10,0.1	21 (12 41 (4	
1930	0		0 4 0	10 126	1 270 067	1.871.219
1050			212	19,130	1,417,001	1 (1) (1
1,737						

*Handled by Office Management Section. **Duplicated and distributed by Central Supply Warehouse. ***Shipped from Central Supply Warehouse (in addition to internal supply to Head Office).

DIVISION OF PARKS

The Division of Parks was established on October 1st, 1954, with W. B. Greenwood as Chief. Since that date, the rapid growth and development of Provincial Parks has been followed by very large increases in public use of parks.

Algonquin, the first Provincial Park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chap. 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chap. 15. Presqu'ile was established by the Presqu'ile Park Act, 12 Geo. V., Chap. 39. Long Point was established by the Long Point Park Act, 2 Geo. V., Chap. 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Since the Provincial Parks Act was proclaimed on December 1st, 1954, all new Provincial Parks have been established by regulations made under the Act and its revisions, and published in The Ontario Gazette on the following dates:

0.	Reg.	148/55			August 6th, 1955
0.	Reg.	144/57			July 6th, 1957
0.	Reg.	229/57			October 26th, 1957
0.	Reg.	280/57			January 4th, 1958
		42/58			March 8th, 1958
		251/58			October 11th, 1958
		254/58			October 18th, 1958
		70/59			May 2nd, 1959
		88/59			May 23rd, 1959
		195/59			August 31st, 1959
		253/59			October 30th, 1959

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957.

Section 1 (a) of the Provincial Parks Act, 1954, reads as follows: "'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds".

The many park improvements include picnic tables and fireplace grills fabricated in the various Reform Institutions throughout the Province. Senior high school and university students are employed as seasonal staff.

In every park, developments are required to follow a master plan. Park Naturalist Programmes of Interpretation are being extended.

PUBLIC USE OF PROVINCIAL PARKS

Year	No. of	No. of	No. of	No. of
	Parks	Vehicles	Campers	Visitors
1956 1957 1958	21 39 45 71	629,666 927,871 1,420,180	86,641 162,705 276,128 479,069	2,114,661 3,232,460 5,127,199

ATTENDANCE AT INTERPRETATIVE PROGRAMMES

Year	No. of Parks	Museums*	Nature Trails*	Hikes**	Lectures	Child Camps
1950	1 1 2 2 2 3 3 5 6 6 8	200 53,844 72,839 75,711 91,246 119,200 146,284 217,672	6,173 5,390 14,341 12,761 18,920 25,388 23,125 26,908 40,929 38,771	1,943 2,046 2,824 2,975 5,479	1,593 2,675 3,769 7,263 11,078 6,595 9,001 10,760 13,955 22,820	1,448 1,815 1,949 2,790 2,168
1959						
Algonquin Nancy Is Presqu'ile Quetico Rondeau Serpent M Sibbald F Sibley	land Lounds Point	140,489 9,173 8,212 5,104 28,202 5,454 12,123 8,915	35,790 2,197 439 345	2,501 427 112 2,062 377	16,080 1,233 592 3,981 	1,223 85 860

83 PROVINCIAL PARKS (42 established and 41 pending establishment, Oct. 31st, 1959)

Name of Park CHAPLEAU Five Mile Lake Goeinane Greenwater Kettle Lakes	Date Established 29 Sept. 1958 25 June 1957 25 June 1957	Authority under which Established O. Reg. 251/58 O. Reg. 144/57 O. Reg. 144/57	Area* 1,009.80 a 3.6 m	Camping Units Units	Camping Campers Units in 1959 dev 70 2,958	visitors in 1959
RRT FRANCES Lake of the Woods One Sided Lake	1 April 1909	Order-in-Council	1,795 m	399	dev 4,489 3,265	14,051
RADDTON Klotz Lake Acake Nipigon MacLood PCPG Whitesand Lake				25	3,227 dev 2,264 (x) 652	25,549
OGAMA Ivanhoe Lake	25 June 1957	O. Reg. 144/57	2 m	:	dev	:
Nagagamisis Remi Lake PCPG	25 June 1957 25 June 1957	O. Reg. 144/57 O. Reg. 144/57	5.9 m 154 a	23	dev 2,280	33243
Fitzoy Harbour. Murphys Point. Rideau River PCPG. South Nation PCPG.	29 Sept. 1958	O. Reg. 251/58	78.21 a	105	und 7,811 10,355 4,956	80,877 66,644 61,444

2,555 12,620 3,368 17,464 11,190 47,433 4,261 18,369	330 94,697 25,794 232,440 day 93,046 22,109 248,220 und 673,439 day und	14,488 83,369 13,074 169,766 11,424 106,718	17,749 154,127 2,971 47,722 dev 35,378 316,011 dev 131,984
25 36 54 20	250 250 80 153 325 325	149 132 102	95 20 325
124.27 a 96.31 a 284 a	23,43 a 205,34 a a 205,34 a 2 205,34 a 2 28,88 a a 126 a a 4,066 a 42,41 a 8,6 m		85 a 495 a 1116.91 a 116.91 a
O. Reg. 251/58 O. Reg. 251/58 O. Reg. 144/57	O. Reg. 251/58 O. Reg. 254/58 O. Reg. 144/57		O. Reg. 144/57 O. Reg. 280/57 O. Reg. 42/58 O. Reg. 251/58
29 Sept. 1958 29 Sept. 1958 25 June 1957	29 Sept. 1958 6 Oct. 1958 26 June 1953 27 June 1957 3 May 1921 1 Oct. 1957 25 June 1957 26 June 1957 27 April 1959		25 June 1957 23 Dec. 1957 24 Feb. 1958 29 Sept. 1958
KENORA Aaron. Blue Lake. Rushing Kiver Sioux Natrows PCPG.	LAKE ERIE (CAR DE CORT) CAN Creek PCPG (Any Creek PCPG (Holiday Beach.) Ipperwash Ipperwash John E. Pearce Long Point Rock Point Rock Point St. Williams PPG Turkey Point.	LAKE HURON Craigleith PCPG. Sauble Falls. Inverburon.	LAKE SINCOE Bass Lake Devils Glen PCPG Earl Rowe. Sibbald Point. Six Mile Lake. Springwater PPG.

*a: acres. m: square miles. PPG: Provincial Picnic Grounds. PCPG: Provincial Camp and Picnic Grounds. day: day use; staffed periodically. dev: under development. und: undeveloped. (x): Included in Whitesand.

83 PROVINCIAL PARKS (42 established and 41 pending establishment, Oct. 31st, 1959)-Cont'd

Name of Park	Date Established	Authority under which Established	Area*	Camping Units	Campers in 1959	Visitors in 1959
Lindsay Darlington Emily Burnham Presqu'ile Serpent Mounds	30 Oct. 1959 25 June 1957 26 July 1955 18 May 1922 25 June 1957	O. Reg. 253/59 O. Reg. 144/57 O. Reg. 148/55 (See Above) O. Reg. 144/57	295.26 a 59 a 100.88 a 420 a	76 76 400 68	day 7,252 day 29,385 6,101	96,300 332,196 76,250
North Bay Antoine PPG. Finiayson Point PCPG. Haddo. Marten River PCPG. Samuel de Champlain.				29 100 	3,017 5,314 und 13,746 und	38,907 35,356 36,780
FARRY SOUND Eagle Lake Grundy Lake Killbear Point Sastler Lake PCPG Stormy Lake Stormy Lake Sturgeon Bay PCPG	21 April 1959	О. Reg. 70/59	6,310 a	40 158 150 150	3,970 9,700 dev 17,195 und 7,238	11,814 92,569 106,081
PEMPROKE Algoriquin	(27 May 1893—See Above)	ove)	2,766 m	891 45	59,360 5,477 4,487	483,753 5,477 11,736

6,274 120,333 133,675 49,500 67,695	32,867	:	23,307 95,995	12,739 27,497	8,350 46,059 und day 2,394 4,034 7,464 272,047 day 479,069 5,127,199
und 2,061 4,230 4,818 2,978 3,717	dev dev 5,014	pun	4,983	1,772 2,050	8,350 und day 6,115 4,034 7,464 day 479,069
	50	:	45	42	115 56 35 137
100 a 81.69 a	540 m	:	85 a 293.02 a	12 m 603 a	23.7 a 256 a 256 a TOTAL.
O. Reg. 144/57 O. Reg. 251/58 Order-in-Council	Order-in-Council		O. Reg. 144/57 O. Reg. 88/59	O. Reg. 144/57 O. Reg. 144/57	O. Reg. 251/58 O. Reg. 144/57
25 June 1957 29 Sept. 1958 	13 Jan. 1944		25 June 1957 4 April 1959	25 June 1957 25 June 1957	29 Sept. 1958 25 June 1957
Port Arthur Arrow Lake. Inwood PCPG. Kakabeka Falls. Kinddle Falls. Shuniah PCPG. Sibley.	SAULT STE. MARKE Batchawana Bay PCPG Lake Superior Pancake Bay PCPG	Stoux Lookour Pakwash PCPG	Subbury Fairbank.	Swastika Esket Lakes Kap-Kig-Iwan	TWEED Black Lake PCPG Bon Echo. Lake on the Mountain PPG. Lake St. Peter. Mazinaw Lake PCPG Outlet Beach. Sandbanks PPG.

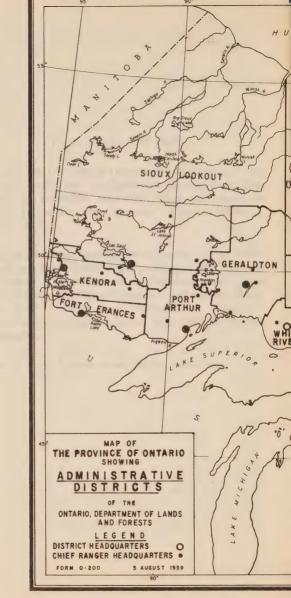
PERSONNEL SECTION

When the Division of Operation and Personnel was separated under the administrative structural changes effected on December 1st, 1957, Personnel became a Section responsible to Assistant Deputy Minister G. H. U. Bayly.

The staff of this Section is responsible for the interviewing and recruitment of job applicants, Job Analysis and Position Classification as well as Salary and Wage Administration, Employee Relations, Performance Standards, Staff Training and Development, Transfers, Promotions, Separation Discipline, Safety and Workmen's Compensation.

Mr. S. H. C. Parsons is the Section Supervisor.









CLASSIFICATION OF PERSONNEL

As of October 31st, 1959

GROUPS	HEAD OFFICE	FIELD	TOTAL
Air Engineers	38		38
Air Pilots	33		33
Air Service Staff	14		14
Biologists	22	23	45
Boat Captains		3	3
Carpenters	2	18	20
Communication Technicians	7	18	25
Conservation Officers	5	199	204
Draughtsmen	40	1	41
Engineers	9	0	9
Foresters	42	133	175
Forest Rangers	2	454	456
Hatchery Staffs	1	47	48
Maintenance Staffs	5	9	14
Mechanics	10	70	80
Office Staffs	260	146	406
Photography Staff	18		18
Printing Machine Operators	6	16	6 19
Radio Operators	3	16 100	100
Research Staff	7	100	8
Solicitors	3	1	3
Stockkeepers	10		19
Surveyors	6		6
Supervisory Staff	29	6	35
Truck Drivers	1	25	26
TOTAL	573	1,278	1,851
201121111111111111111111111111111111111	0,0	1,210	2,001
Forest Rangers*			
Class 5		35	35
Class 4		94	94
Class 3	1	161	162
Class 2		95	95 70
Class 1	1	69	70
Conservation Officers*			
Class 5	1	19	20
Class 4	1	5	6
Class 3	2	28	30
Class 2		112	112
Class 1	1	35	36

^{*}Classes 3, 4 and 5 at Supervisory level.

ADMINISTRATIVE DISTRICTS

ADMINISTRATIVE	FIRE]	FIRE PROTECTION		FISH AND W	FISH AND WILDLIFE CONTROL ADMINISTRATIVE DISTRICTS	NTROL
DISTRICTS	Land	Water	Total	Land	Water	Total
THE REAL PROPERTY AND ASSESSMENT OF THE PROPERTY ASSESSMENT OF THE PRO						
	1	009	6 587	5.953	629	6,582
Chapleau	5,953	670	16,202	63 282	4,206	67,488
Cochrane	14,690	1,100	10,170	5 820	1.379	7,199
Fort Frances	5,218	1,348	0,300	10,020	6 986	25,630
Geraldton	18,734	2,605	21,339	10,134	443	6.310
Gogama	5,867	443	0,310	3,007	7.67	19,166
Kapuskasing	18,399	767	19,100	10,399	452	5,649
Kemptville	:	- 1		0,191	3 030	12,351
Kenora	9,321	3,030	166,21	700,	5.826	12,622
Lake Erie	:	:		2,78	6.977	15,758
Lake Huron	- (220	4 665	1,489	6,154
Lake Simcoe	220	61	0010	5 079	1.710	6,789
Lindsay	2,374	200	7,300	4 069	616	5,585
North Bay	4,969	010	5,363	5,552	2.952	8,504
Parry Sound	5,490	691	0,101	4.714	434	5,148
Pembroke	4,157	301	18 550	13.869	4,681	18,550

11,357	135,439	12,808	5,405	8,637	9,451	*412,582
3,353	22,579	5,062	283	1,932	3,051	78,747
8,004	112,860	7,746	5,122	6,705	6,400	333,835
11,155	40,660	7,881	5,405	3,314	6,921	201,099
3,294	6,912	1,259	283	265	521	29,036
7,861	33,748	6,622	5,122	3,049	6,400	172,063
Sault Ste. Marie**	Sloux Lookout	Sudbury***	Swastika	Tweed	White River	TOTAL AREA

^{*} Total area of the Province of Ontario includes part of Great Lakes.

** St. Joseph Island (143 square miles) is included in Sault Ste. Marie District for all purposes except Fire Protection. Manitoulin, Cockburn, Fitzwilliam, Lonely, Great Duck, Western Duck and Barry Islands (1,124 square miles, excluding lakes) are included in Sudbury District for Fish and Wildlife Control only. The area of Sudbury District for Administrative purposes is 11,684 square miles, including waters of the North Channel and Lake Huron within the territorial district of Manitoulin Island.

Ontario's southern boundary has a shore line of 2,362 miles. The northern boundary has a shore line of 680 miles,

The highest point in Ontario is in the Lake Superior region where land is 2,120 feet above sea level.

DISTRICT — CHAPLEAU

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester J. R. Keddie Assistant District Forester
Supervisors
Accounts G. J. Murray Fish and Wildlife V. Crichton Forest Protection L. Ridsdill Lands W. E. MacPhail Reforestation D. E. Gage Parks W. E. MacPhail Timber D. E. Gage
Chief Rangers
Biscotasing W. P. O'Donnell Chapleau L. T. Cecile
DISTRICT — COCHRANE
Office: Court House. Telephone 142.
District Forester F. L. Hall Assistant District Forester
Supervisors
Accounts
Parks
Chief Rangers
Low Bush R. Woodall Cochrane S. Russell Timmins

DISTRICT - FORT FRANCES

Office: 232 Scott Street. Telephone Browning 4-6251.

District Forester R. A. Balkwill Assistant District Forester

Supervisors

Accounts A. Kingerski
Fish and Wildlife H. Pearson
Biologist C. Elsey
Forest Protection F. Miller
Surveys and Parks L. Rawn
Reforestation J. Mullen
Timber H. Henry

Chief Rangers

Fort Frances S. V. Ryan Atikokan F. Dustak

DISTRICT - GERALDTON

Office: 1821 Main Street (upper floor). Telephone 443.

District Forester G. E. MacKinnon Assistant District Forester

Supervisors

Accounts R. J. Langford
Fish and Wildlife J. A. Macfie
Biologist J. Goddard (Acting)
Forest Protection R. V. Brady
Lands and Parks A. Grasser
Reforestation D. Skeates
Timber F. C. Robinson

Chief Rangers

Longlac H. N. Whalen
Nakina J. A. Murphy
Pays Plat A. J. McGoey
Geraldton J. F. Anderson
MacDiarmid H. R. Redding

DISTRICT — GOGAMA

Office: Town of Gogama. Telephone 95.

District Forester A. E. Walroth Assistant District Forester
Supervisors
Accounts J. Vance Fish and Wildlife . E. H. Stone Forest Protection . J. Canfield Lands . D. J. Shaw Parks . D. J. Shaw Timber . J. McKnight
Chief Rangers
Foleyet J. R. Languerand Gogama P. Bellevance
DISTRICT — KAPUSKASING
Office: Kapuskasing. Telephone Edgewood 5-2231.

District Forester J. S. Ball Assistant District Forester
Supervisors
Accounts J. Carswell Fish and Wildlife O. Lewis Forest Protection F. Dodds Lands T. Murphy Parks W. A. Perrin Reforestation P. Hare Timber R. A. Baxter
Chief Rangers
Kapuskasing J. H. Clavelle Hearst J. Shalla Oba B. Wilson

DISTRICT - KEMPTVILLE

Office: Kemptville. Telephone 413.

District Forester W. A. G. Thurston Assistant District Forester
Supervisors
Accounts F. S. Bumstead Fish and Wildlife D. Sylvester Biologist J. B. Dawson Forest Protection E. A. Greene Lands and Parks E. A. Greene Timber H. R. Grinnell
Nursery
Kemptville H. H. Devries
DISTRICT — KENORA
Office: 213-15 Main Street. Telephone Homestead 8-9841.
American and annual
District Forester F. E. Sider Assistant District Forester W. Bastedo
Supervisor
Accounts G. McChesney Fish and Wildlife P. Thompson Biologist C. F. Schenk Forest Protection B. T. Dunne Lands J. Wynd Parks H. V. Berg Timber D. J. Vance
Chief Rangers
Kenora . J. Mackay Minaki . J. L. Hamill Ignace . F. Nicoll Dryden . J. Anderson

DISTRICT — LAKE ERIE

Office: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynolds Assistant District Forester J. D. Scott Supervisors G. B. Fewings Accounts Fish and Wildlife E. L. Skuce I. D. Roseborough Biologist Forest Protection Lands Parks K. A. Cameron Timber . . C. H. Zavitz Nursery St. Williams W. Bunting Parks R. McLaren Rondeau . Pinery and Severn C. C. Myers Ipperwash J. Matheson DISTRICT — LAKE HURON Office: R.R. No. 1, Hespeler, Telephone Oliver 8-9356. District Forester E. K. E. Dreyer Assistant District Forester Supervisors Accounts H. MacKrow Fish and Wildlife E. Meadows Biologist R. E. Mason Forest Protection . . . Lands Parks R. W. Jordan Reforestation W. Steele

DISTRICT — LAKE SIMCOE

Office: Maple. Telephone Avenue	5-1171.
District Forester	. A. W. Leman
Supervisors	
Accounts	. R. H. Trotter
Parks	
Nurseries	
Angus	. W. E. Edwards . J. Halpenny
Parks	
Sibbald's Point	. D. R. Cutts
DISTRICT — LIN	NDSAY
Office: Kent Street West, Lindsay. Telephone Fairview 4-3555	
	. D. R. Wilson
Telephone Fairview 4-3555 District Forester	. D. R. Wilson
Telephone Fairview 4-3555 District Forester	. D. R. Wilson . G. F. Walter . G. Buie . K. Irizawa . W. Kitt . F. Flood . P. R. Davidson
Telephone Fairview 4-3555 District Forester	. D. R. Wilson . G. F. Walter . G. Buie . K. Irizawa . W. Kitt . F. Flood . P. R. Davidson . E. F. Johnston
Telephone Fairview 4-3555 District Forester	. D. R. Wilson . G. F. Walter . G. Buie . K. Irizawa . W. Kitt . F. Flood . P. R. Davidson . E. F. Johnston . P. I. Cassidy
Telephone Fairview 4-3555 District Forester	. D. R. Wilson . G. F. Walter . G. Buie . K. Irizawa . W. Kitt . F. Flood . P. R. Davidson . E. F. Johnston . P. J. Cassidy . W. Sarginson

DISTRICT - NORTH BAY

Office: 263a Main Street North. Telephone Grover 2-9360.

District Forester W. B. Clarke Assistant District Forester D. M. Peacock

Supervisors

AccountsJ. E. RogersFish and WildlifeA. M. HodgsonBiologistJ. F. GageForest ProtectionG. MacAdamLandsW. TurnbullParksA. D. TremblayTimberR. Lockhart

Chief Rangers

Temagami P. Hoffman North Bay L. L. Bronson

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

Director J. L. Mennill Accounts T. Craine

Instructors

E. Goodman W. A. Morris G. Pennock W. P. Small

DISTRICT — PARRY SOUND

Office: 34 Sequin Stre	et. Telephone Riverside 6-2141.
------------------------	---------------------------------

District Forester M. A. Adamson Assistant District Forester J. E. Dickenson
Supervisors
Accounts . R. E. Harrison Fish and Wildlife . N. McNaughton Biologist . C. W. Douglas Forest Protection . D. Burns Lands . T. H. E. Roswell Parks . E. Diamond Reforestation . W. K. Fullerton Timber . W. E. Dyer
Chief Rangers
Parry Sound R. E. Simpson Powassan W. J. Barber
DISTRICT — PEMBROKE OFFICE: 68 Pembroke Street. Telephone Regent 2-3661. District Forester R. C. Passmore Assistant District Forester D. A. Fawcett
Supervisors
Accounts G. Bragg Fish and Wildlife H. E. Deedo Biologist Forest Protection J. J. Tait Lands J. Orme Parks J. E. Collard Timber C. R. Groves
Chief Rangers
Pembroke R. N. Cousineau Whitney

69

Algonquin .

Parks

DISTRICT — PORT ARTHUR

Office: Forestry Building, Algoma Street North. Telephone 5-6543.

Telephone 5-0543.
District Forester W. L. Sleeman Assistant District Forester J. M. Fraser
Supervisors
Accounts J. Chadwick Fish and Wildlife D. J. D'Agostini Biologist J. C. Weir Forest Protection M. Sauerbrei Lands W. Jarvis Parks C. B. Whitefield Timber W. W. Wahl
Chief Rangers
Port Arthur W. Taylor Black Sturgeon
Nursery
Fort William E. M. Cressman
DISTRICT — SAULT STE. MARIE
Office: Airdrome Building. Telephone Algoma 6-7461.
District Forester J. W. Lockwood Assistant District Forester G. M. Longley
Supervisors
Accounts J. C. Kindness Fish and Wildlife C. L. Perrie Biologist P. A. Kwaterowsk Forest Protection T. Woodside Lands L. Smith Parks G. McKinney

Chief Rangers

. A. Crealock

Blind River J. A. Huppe
Sault Ste. Marie C. Tregonning
Sand Lake E. Montgomery

Timber . . .

DISTRICT — SIOUX LOOKOUT

Office: 38 Front Street. Telephone 206.

District Forester W. G. Cleavely Assistant District Forester J. E. Barnes
Supervisors
Accounts . D. Munch Fish and Wildlife . C. E. Perrie Forest Protection . E. W. Bouchey Lands . S. N. Johnson Parks . Reforestation . V. W. Fisk
Timber J. K. Gaughan
Chief Rangers
Armstrong H. S. Anderson
Pickle Lake E. Guertin
Red Lake D. R. Williams Sioux Lookout F. J. Atkinson
Sioux Lookout F. J. Atkinson
DISTRICT — SUDBURY
DISTRICT — SUDBURY Office: 7 Cedar. Telephone Osbourne 5-8394.
Office: 7 Cedar. Telephone Osbourne 5-8394. District Forester G. A. Hamilton
Office: 7 Cedar. Telephone Osbourne 5-8394. District Forester G. A. Hamilton Assistant District Forester E. A. Lewis Supervisors Accounts G. Jennings Fish and Wildlife C. Bibby
Office: 7 Cedar. Telephone Osbourne 5-8394. District Forester
Office: 7 Cedar. Telephone Osbourne 5-8394. District Forester
Office: 7 Cedar. Telephone Osbourne 5-8394. District Forester G. A. Hamilton Assistant District Forester . E. A. Lewis Supervisors Accounts
Office: 7 Cedar. Telephone Osbourne 5-8394. District Forester G. A. Hamilton Assistant District Forester E. A. Lewis Supervisors Accounts G. Jennings Fish and Wildlife C. Bibby Biologist G. Bulloch Lands A. S. Blair Parks

DISTRICT - SWASTIKA

Office: Swastika. Telephone Kirkland Lake 3090.

OFFICE: Swastika.	Telephone Kirkland Lake 3090.	
District Forester . Assistant District Fo	rester G. F. Coyne	
Accounts Fish and Wildlife . Biologist Forest Protection . Lands	N. Patrick G. Barna J. McDougall H. Mattson D. A. Scott	
	Chief Rangers	
Matheson	W. A. Adair V. L. Wilson H. Stuart	
	Nursery	
Superintendent	A. H. Peacock	2
DIST	RICT — TWEED	
DIGI		
Office: Tweed. Te	elephone 361.	
Office: Tweed. To	lephone 361. J. M. Taylor rester J. D. Hughes	
Office: Tweed. To	J. M. Taylor rester J. D. Hughes	
Office: Tweed. To District Forester Assistant District Forester Accounts Fish and Wildlife .	J. M. Taylor J. D. Hughes Supervisors W. H. Porch H. S. Dornan R. E. Whitfie McKinley Wi A. E. Beach W. H. Cantel	ld lsor
Office: Tweed. To District Forester Assistant District Forester Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber	J. M. Taylor J. D. Hughes Supervisors W. H. Porch H. S. Dornan R. E. Whitfie McKinley Wi A. E. Beach W. H. Cantel J. Keenan Chief Rangers	ld lsor
Office: Tweed. To District Forester Assistant District Forester Forester Assistant District Forest Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Dacre Bancroft	J. M. Taylor rester J. D. Hughes Supervisors W. H. Porch H. S. Dornan R. E. Whitfie McKinley Wi A. E. Beach W. H. Cantel J. Keenan	ld lson on

DISTRICT - WHITE RIVER

Office: White River. Telephone 186.

PERSONNEL REPORT TO YEAR ENDING 31st MARCH

	Ć.	ACTIVITIES AND ACTIVITIES	The Carte Cart Title	*			UNIVE	UNIVERSITY DEGREES OR TITLES	EGREES	OR TIT	LES	WORKMEN'S	Workmen's Compensation
1 0	Daym	Cont.	Total	lana	Licensed Scalers	Ranger School Grads.	Forest- ers	Biolo- gists	Civil Engrs.	Misc.	Total	No. Claims	Cost
		T CHILD	- 1									00	\$ 12.850.33
1944	310	268	578	397	:	:	: ,	:	:	:	:	120	
1945	324	305	629	929	:	:	:	:	:	:	:	129	14,248.76
1946	373	318	691	573	:	:	:	:	:			182	21,560.24
1947	523	562	1,085	527	:	:	:	:	:	:		328	27,189.07
1948	:	:	:	:	:	:	:	:	:	:		494	35,989.21
1949	1,167	196	1,363	295	:	:	:	:	:	:		501	50,989.11
1950	1,352	157	1,509	580	:	- !		. 1. - C	- 6	1.	187	394	43,950.68
1951	1,420	141	1,561	617	343	237	147	57	οи	16	205	368	54,157.82
1952	1,441	181	1,622	790	356	257	158	22	ט ע	16	220	417	51,168.82
1953	1,518	158	1,676	089	381	293	100	35	2 10	23	237	494	64,693.23
1954	1,546	175	1,721	633	391	331	1/2	30) 1 <i>r</i>	26	244	455	63,356.59
1955	1,618		1,760	727		5/9	130	24	2	2.7	206	910	106,962.46
1956	1,611	180	1,791	655		674	103	2.4	9 0	2.7	249	588	85,158.76
1957	1,583		1,758	929	4	401	101	40	0 0	24	251	727	101,376.46
1958	1,685	134	1,819	3,209		504	101	£ £	0 0	2.2	266	874	132,572.01
1959	1,759	113	1,872	2,750	495	553	193	1	04	1			
*Extra	fire f	fighters	*Extra fire fighters not included.	ded.	Z	OTE: Me	dical and	Hospita	al fees ha	ive inc	reased g	NOTE: Medical and Hospital fees have increased greatly in recent years.	nt years.

DISTRIBUTION OF JUNIOR RANGERS (SUMMER MONTHS ONLY)

DISTRICT	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Chapleau	:	:	:	:	:	:	14	15	23	26	40	46	39	38	35	37
Cochrane	:	:	:	:	12	25	25	21	26	36	39	4.5	39	35	24	24
Fort Frances	:	:	:	:	:	:	:	:	:	:	:	14	16	14	14	23
Geraldton	:		:	:	:	:	10	10	10	1.5	35	24	2.7	48	59	64
Gogama	:	:	:	:	:	10	15	12	2.1	25	34	43	2.7	38	36	39
Kapuskasing	:	:	:	:	00	10	14	12	12	21	32	43	33	28	34	40
Kemptville		:		:		:	:	:	:							
Kenora	:	:	:	:	:	:	11		:	:	10		10	11	25	26
Lake Erie	:	:	:	:	:	:	:	:	:	:						
Lake Huron	:	:	:	:	:	:	:	:	:	:						
Lake Simcoe	:	:	:	:	:	:	:	:	:	:	:					
Lindsay	:	:	:	•	:	12	15	14	14	25	29	46				
North Bay	10	13	12	18	21	26	2.7	21	22	30	38	30	38	48	35	38
Parry Sound	11	10	10	12	25	19	18	12	12	15	20	25	46	35	36	37
' Pembroke	:	:	12	29	20	40	42	32	32	35	42	51	48	42	34	34
Port Arthur	:	:	:	:	:	:	:	:	13	15	11	90	24	13	.36	39
Sault Ste. Marie	:	10	10	11	13	22	20	20	31	37	09	53	75	73	64	63
Sioux Lookout	:	:	:	:	:	:	:	6	12	21	19	:	11	13	13	15
Sudbury	:	7	1.5	13	20	26	16	14	14	23	24	42	2/	5,1	46	39
Swastika	:	:	:	:	00	28	32	24	24	27	31	11	43	24	24	26
Tweed	:		:	6	21	19	18	15	24	29	32	26	:			
White River	:	:	:	:	:	:	12	11	22	23	28	42	62	39	49	49
TOTAL	21	40	59	9.2	148	237	289	242	312	403	524	547	614	550	564	593

DIVISION OF RESEARCH

Created in 1941 as part of the Departmental reorganization, this Division was committed to J. A. Brodie, B.Sc.F.

Mr. Brodie was succeeded by R. N. Johnston, B.Sc.F., on completion of certain other scientific activities in connection with the war program.

Forestry research is conducted at Port Arthur, Cochrane, Dorset, Maple and Tweed; fisheries research at South Baymouth, Maple and Glenora; and wildlife research at Algonquin Park. Part-year fisheries work is done at Lake Opeongo and Wheatley.

During the past fiscal year, fifteen reports were published. Highlights of the year's work included the following:

Regional site research now offers considerable know-ledge useful to forest management and land-use planning.

Tree breeding work was continued on poplar hybrids, Nova Scotia red pine, white cedar, dwarf chestnut and white pine. In the last, inoculations against blister rust were very successful.

In white spruce regeneration studies, the seed tree system, combined with pre-cutting, mechanical scarification, showed very encouraging results.

The planting of tubelings had good results.

The ability of arboricides to control underbrush was tested in numerous operations.

At South Bay, studies showed that meteorological data has become a new and useful tool for fisheries workers.

In Lake Erie, where explosives are used in seismic exploration for natural gas, tests readily distinguished the type of explosive least harmful to fish.

In a survey of parasites and diseases, autopsies were performed on over 150 wild animals.

An unusually severe winter on deer predicted lower hunter success in 1959.

A dusting machine which can be operated in thick bush terrain was developed by the Mechanical Research Section. Numerous other pieces of equipment were produced.

In April, 1958, the work of the physics section was greatly aided by the loan from the Royal Canadian Navy of "Porte Dauphine", a ship ideally suited for research work on the Great Lakes. Before lay-up due to lack of funds, the ship cruised 6,000 miles on Lake Ontario.

DIVISION OF SURVEYS

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland		
Northern District of		
North America	1764-1801	Surveyor-General
Sir D. W. Smith	1801-1805	Surveyor-General
C. B. Wyatt	1806-	Surveyor-General
Thomas Ridout	1807-1829	Surveyor-General
Hon. S. P. Hurd	1832-1835	Surveyor-General
J. Macaulay	1836-1838	Surveyor-General
Hon. R. B. Sullivan	1838-1840	Surveyor-General
Thos. Parke	1841-1845	Surveyor-General
*G. B. Kirkpatrick	1880-1917	Director of Surveys
*L. V. Rorke	1918-1928	Director of Surveys
†L. V. Rorke	1928-1936	Deputy Minister/
		Surveyor-General
‡C. H. Fullerton	1936-1946	Surveyor-General
F. W. Beatty	1946-	Surveyor-General

^{*} Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chap. XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

Township boundaries were surveyed in the vicinity of Kingston in 1784, under instructions from Samuel Holland, the Surveyor-General of Northern District of North America.

[†] Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

[‡] Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

By Order in Council dated the 18th of November, 1791, the Province of Quebec was divided into two Provinces, to be called the Province of Upper and Lower Canada. Upper Canada was to include all the territory to the westward and southward of the line described, which is the present eastern boundary of Ontario, to the utmost extent of the country commonly called or known by the name of Canada.

Various systems of surveying the townships into lots or sections for disposition of Crown land have been adopted. The periods during which these systems were used and the types of systems are as follows:

1783-1818—single front

1787-1813 - front and rear

1818-1829—double front

1829-1851—2,400-acre block

1835-1906-1,000-acre block

1859 — Townships 6 miles square—no road allowances—Townships divided into 36 sections.

1872 — Townships 6 miles square—no road allowances—6 concessions and 12 lots.

1876 — Township—similar manner to Dominion Land Survey system—36 sections with 1½ chain road allowances around each section.

1906 —1,800-acre blocks.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River—1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake—1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The general prosperity and employment is reflected in the requests for Crown lands for summer resort camp sites. Approximately 400 such resorts were surveyed in 1946 and 2,660 in 1958. This work has necessitated the retracement surveys, where the original surveys had become obliterated, particularly in the Muskoka, Parry Sound and Haliburton areas.

In 1922 the Department commenced sketching and mapping types of forested areas from oblique aerial photographs. Since 1926 vertical photographs have been used and in 1954 an aircraft of the Otter type was purchased for aerial photography. Aerial photographs had been taken by members of our staff of an area of approximately 248,323 square miles up to March 31st, 1958.

The Beds of Navigable Waters Act was passed in 1911 and The Water Powers Regulations Act in 1916 and, by virtue of these Acts, leases have been granted for development of power plants with a total installed capacity of 2,561,000 horse-power. The installed capacity of plants not under lease from the Province is estimated to be 2,900,000 horse-power. This includes the plants at Niagara.

Under the provisions of The Lakes and Rivers Improvement Act, plans of all dams constructed on rivers and streams must be submitted to the Department of Lands and Forests for approval before being constructed. The Department regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation, the propagation of fish and wildlife and forest protection.

- 1941 Division of Surveys formed.
- 1944 Division becomes Surveys and Engineering.
- 1957 Division augmented by Division of Lands with two branches: Surveys and Lands.

LANDS BRANCH

The fact that the Department of Crown Lands came into being in 1827 has its own significance. In the then growing Province land was the big item. They burned timber to get at it, the prime need being cultivation and there was a limited market for lumber.

Before that, however, Upper Canada became a Province with its own legislature. The Hon. John Graves Simcoe's proclamations and the tiny legislature's enactments made the first administrative efforts.

The influx of U. E. Loyalists, the manipulations of Colonization land companies and the impact of immigration brought their problems.

Clergy Reserves, the cause of discontent, the war of 1812, and the rebellion of 1837, were tribulations of the land administrators.

The Lands Branch of the Provincial Administration actually came into being, however, in 1827 under the Hon. Peter Robinson. Some of its problems are recited in the first printed annual report in 1857.

The annual report for 1867 states, "Previous to Confederation separate accounts were not kept of the Woods and Forests revenue". Lands had been the thing. The basic titles of all privately owned land in Ontario are in its records.

It became a Division (formerly known as Lands Branch) in 1941. On December 1st, 1957, it became a Lands Branch again in consolidation with the Surveys Division.

RE. PINE TREE RESERVATIONS IN FREE GRANT PATENTS

Commencing immediately subsequent to Confederation, the Act of 1868, being 31 Victoria, Chap. 8, reserved pine trees on land located as free grants, but passed the pine trees to the grantee with the land when patent issued.

The above provision obtained until 1880 when by 43 Victoria, Chap. 4, pine trees were reserved in locations subject to certain restricted cutting permitted by locatees, but when patent issued, all the pine trees were reserved to

the Crown. This applied to all patents issuing subsequent to March 5th, 1880, and the reservation of pine trees continued through to 1937 except that in 1913, there was an amendment to The Public Lands Act which provided that where land was not in timber licence and the locatee was in residence with improvements, he could request that pine trees be included in the patent, or in the event that patent had previously issued he could request a pine patent.

The Free Grants and Homesteads Act of 1908, provided for the opening of land with the approval of the Lieutenant-Governor in Council, which had not previously been opened and which had not for any reason been withdrawn from settlement and upon such land being opened all patents of land therein included the pine trees if the land was not under timber licence.

Note: The Rainy River Homesteads Act, being Chap. 30 of the Statutes of 1897, reserved by sections 12 and 13 all the pine trees in the location, but all pine trees remaining on the land at the date of patent passed with the patent. This provision was carried through into the Consolidation of Acts relating to public lands and is incorporated in The Public Lands Act of 1913.

Note: The territorial District of Rainy River included the present Districts of Rainy River and Kenora up to 1908, when by The Territorial Divisions Act the area was separated into what is now known as the Districts of Fort Frances and Kenora.

FREE GRANT LAND In Fiscal Year Ending March 31st

Vear	Locations	Acres	Cancellations	Acres	Assignments	Acres	Patents	Acres Patented
1944	20	2,694		64.783	80	113.10	218	28 610
1945	21	2,308		83,655	116	14 441	226	20,02
1946	49	5,737		61,459	120	14.214	216	26.068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	29	8,649		48,578	64	8,415	164	22,110
1949	49	5,872		30,536	54	7,085	107	14.360
	48	6,192		40,732	62	7,200	196	24.287
.951	28	3,608		35,371	56	7.747	150	10,826
.952	2.7	3,411		19,785	37	5.060	165	21,411
.953	36	4,655		21,874	25	3,452	120	16.131
954	24	2,757		30,784	19	2,618	136	17.713
955	17	1,823		25,755	7	1.005	87	11,210
956	20	2,708		12,661	4	517	20	7.501
957	00	878		8,727	1	151	47	6.080
958	9	200		6,950	1	156	48	6.483
959	4	462		4 680	_	160	36	4 6 50

AGRICULTURAL LAND SALES, ETC. In Fiscal Year Ending March 31st

No. of Sales
31
27
26
29
29
28
26,
19,228
24
21
14
15
12
00
10
10

SUMMER RESORT LANDS in Fiscal Year Ending March 31st

Vear	Sales	Acres	Acres Cancellations	Acres	Assignments	Acres	Patents	Acres	Surveys
044	160	717	4	00			126	469	
047	126	423	•) -	. 7	9	86	361	:
043	169	462	•	:	:	:	127	421	:
044	344	948		25	3	S	231	629	:
045	459	1,180	11	20	6	1.5	206	1,525	330
946	535	1,411		35	14	32	277	781	358
047	999	1,841		9	37	186	496	1,764	388
048	700	1,700		69	34	139	446	1,153	692
040	1.010	2,336		218	40	107	756	1,984	1,199
950	1,202	2.512		610	38	98	1,046	2,613	1,435
051	1.360	2,484		112	50	94	1,125	2,294	1,737
952	1.601	2,769		148	35	319	1,294	3,363	1,800
953	1.290	2,278		183	40	127	1,263	2,287	1,458
054	1.435	2,133		447	37	72	1,312	2,168	1,752
055	1.278	1.871		166	28	42	1,479	2,438	1,670
956	1.176	1.614		183	12	1.7	1,384	2,089	1,269
1957	714	958		124	1.7	17	1,164	1,411	1,207
958	1,344	1,678	36	53	13	15	962	1,350	2,083
050	2 155	2517		28	10	23	1.220	1.588	2,660

LAND USE PERMITS In Fiscal Year Ending March 31st

Vegr	Hunt	Trappers Cabin	Residence and Garden	Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Rondeau Park
* C C C											
	I L	С	430	89	26	105	6	27	88	:	:
1944	15/		674	0 +	62	127		31	131	89	:
1945	254		392	1 T 4	50	7.7		1 4) E 4	226	
1046	321		398	138	95	156	:	44	721	230	
1940	201		570	201	38	172	10	26	95	330	:
1947	321		480	233	70	197	2	80	307	377	:
1948	404	4.7	40%	120	7.7	170	2	77	370	501	255
1949	543		044	600	7 0	7 7 2	¥	42	265	1.262	143
1950	786		380	771	2 1		. 4	10,	200	1 617	148
n 0 1	196		261	99	26	231	0	6		1 1	1 4
1901	998		259	47	34	239	:	20	643	1,738	155
1952	0000		200	3.4	24	187	_	69	400	1,671	167
1953	106	: 7	223	. v.	10	169	:	41	563	1,964	191
1954	1,004		746	22	10	180	6	102	683	2,046	:
1955	1,220		047	1 0	2 6	246	v	216	453	2,543	:
1956	1,234		435	130	67	017) L	22.0	527	2 613	:
1057	1.248		459	84	36	217	ο .	107	5 0	0000	
0000	1.352		514	40	37	184		727	506	2,030	•
1050	1,190		514	80	31	214	3	368	365	5,121	:

Variations are, for the most part, due to cancellations or issue of patents.

AERIAL SURVEYS

VERTICAL PHOTOGRAPHY, 1957-58:

Forest Resources I	iventory—	New		800 s	quare	miles
u u		Revision		7,395	EE.	44
			-			
(Vertical Photogra on scale of 20 ch				8,195	46	ξί

MAPPING

Mosiac Panels 8,500 square miles

Total Area Photographed and Sketched from 1924 to March 31st, 1958

(Excluding area photographed under contract)

Aerial S	ketching.		٠				٠	٠	26,903	square	miles
Oblique	Photograp	hy							10,790	44	££
Vertical	Photograp	hy							210,630	«í	ć.

Area Photographed During Ten Years

1948-49					,					7,239 sc	luare	miles
1949-50										13,353	46	44
1950-51										3,471	44	**
1951-52			٠.							16,464	"	"
1952-53								,		12,743	**	51
1953-54										16,490	41	ει
1954-55										9,050	ec.	44
1955-56										17,358	"	46
1956-57										7,303	66	"
1957-58										8,195	66	66

AERIAL SURVEYS (Square Miles)

FISCAL YEAR	1948	1949	1950	1951	1952	1953	1954	1955	1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958	1957	1958
DEPARTMENT OF LANDS AND FORESTS:	6.681	4 882	6 681 4 882 11 882		15.900	9,950	14,047	8,333	15,778	7,303	8,195
Porest Resources Inventory	0,001) (K	1,00			475	892	390	475 892 390	:	:
Other	177		50	∞		535	186	274	274 480	:	:
Hydro-Electric Power Commission	1,938	737	318	186	318 186 79	S	:	40	:	:	:
Department of Mines	200	172		:	:	: : : : : : : : : : : : : : : : : : : :	:	:	:	:	:
Planning and Development	2,203	789	1,028	1,766	371	1,557	1,220	:	1,100	:	:
Department of Highways	384	477	:	863	114	370	863 114 370 145	13	:	:	:
Hammermill Paper Co	30	:	:	:	:	: : : : : : : : : : : : : : : : : : : :	:	:			:
O. M. Paper Co	:	108	:	:		:	:	:		:	:
City of St. Catharines	:	30	:	:		:		:		:	:
University of Toronto	:	44	25	:		:		:		:	:
Fort William/Port Arthur	:	:	20	:		:	:	:			:
TOTALS. TOTALS. 11,613 7,239 13,353 3,471 16,464 12,892 16,490 9,050 17,358 7,303 8,195	11,613	7,239	13,353	3,471	16,464	12,892	16,490	9,050	17,358	7,303	8,195

DISTRIBUTION OF LITHOGRAPHED MAPS

FISCAL YEAR	Issues 20, 20.1	District	Island	Townships 42A	Electoral 33A	Misc.	Provincial Total	National* Topographic	Grand
1947	3,650	7.378	009	1 77.2	171	2 1003			
1948	1.975	7.373	168	202	1 1	0,100	10,044	10,535	27,17
949	4,800	8,169	25.5	1 004	160	1,100	11,147	11,215	22,36
950.	1.896	7.560	1 255	4,004	100	2,030	10,529	15,241	31,77
951	2,814	6.730	650	370	152	5,002	16,435	17,013	33,44
952	2,096	9,426	932	285	311	2 200	14,058	21,435	35,49
1953	1,990	8,156	791	330	207	4 150	15,342	24,139	40,48
1954	2,734	9,254	593	216	64	5 167	13,024	30,310	45,93
955	3,045	12,137	209	459	250	2,101	25,020	40,409	32,48
956	2,113	10,475	882	576	839	1.254	16.139	49,203	10,04
057	2,212	11,687	671	398	190	12,776	27,934	50.013	77.947
938	1,831	12,592	345	491	126	1,890	17,275	62,048	79.32.
	2,433	9,071	462	448	259	10,400	23,075	68,787	91.86

"National Topographic, except those for official use, are for resale.

DIVISION OF TIMBER

The first timber sales were made in Ontario in 1826; previous to this date the only persons authorized to cut timber on public lands were contractors for the Royal Navy, or those holding licences for them. In 1827 the system of sale of timber licences by public auction at a lump sum bonus price in addition to Crown dues was established; this system for the sale of Crown timber licences remained generally unchanged until 1903. From 1903 to 1924, timber sales were made on a basis of bid per thousand feet board measure or other unit of measure over and above Crown dues at which it could be sold, with prices tendered above the Crown dues and upset price being considered as bid price; this in general is the basis for the present sales.

From 1826 to Confederation there was a total area of 12,000 square miles under timber licence, from which \$100,000.00 was collected for bonus. During the period 1866 to 1903, when the last lump sum bonus sale was made, an additional 12,000 square miles was placed under licence; the average bonus received on these sales was about \$2,000.00 per square mile.

The Doyle Rule was the recognized rule for measuring timber sales in Ontario from 1879 to 1953 at which time the Ontario Rule was adopted.

The fiscal year 1908-1909 shows the largest cut of red and white pine in Ontario's history; that year 192,000,000 cu. ft. were cut; since that time the cut has gradually been reduced.

Up until 1935 the management of timber resources in the field was looked after by Crown Timber Agents who dealt with Head Office direct; since that time all phases of Forest Management have been under the control of the District Forester in each District.

In 1946 the Division of Timber Management commenced a survey of the exploitable forest resources of the Province. Since that date 284,908 square miles have been aerial photographed, 249,155 square miles planimetric mapped, 35,753 square miles photo mapped, and 138,759 square miles have been field sampled. In addition to this, companies have supplied forest data on 80,000 square miles.

The inventory was completed during the 1958-59 fiscal year, and 12,500 square miles were re-photographed

to permit the revision of maps and statistical data. This method of inventory ensures the continuance of detailed information on individual stands across extensive areas.

The results of the five-year cull study were published as Report No. 25 of the Forest Resources Inventory series.

The Divisions of Timber Management and Reforestation were joined as Division of Timber on December 1st, 1957, and divided into three branches during the 1958-59 year with responsibilities as follows:

Reforestation Branch: all phases of tree production, extension forestry and agreement forests;

Silviculture Branch: forest inventory, planning, stand improvement and planting;

Timber Branch: timber sales and timber licenses.

REFORESTATION BRANCH

Reforestation was first undertaken by the Ontario Government in 1905 when a small quantity of seedlings was grown at the Ontario Agricultural College at Guelph for use in reforesting waste lands. This nursery was transferred to St. Williams when the first Forest Station was established therein 1908. The program was developed under the Ontario Forestry Branch in charge of Dr. E. J. Zavitz, who became Chief of the new Division of Reforestation when the Department of Lands and Forests was reorganized in May, 1941.

In the administrative structural changes announced on December 1st, 1957, the Division of Reforestation was consolidated with the Division of Timber and became the Reforestation Branch.

The main function of the Branch is the restocking of forest lands by sowing seed and planting trees to protect water supplies and soil, to provide habitat for game and fish, and to sustain the forest and allied industries, for the general benefit and welfare of present and future generations in the Province.

The Branch's services are available for private lands although The Forestry Act, 1952, limits the purposes and areas for which nursery stock may be furnished and imposes charges to be made for trees furnished in respect of such lands.

LICENSED AREAS, 1947-1954

Year	Number of Licences	Timber Licences Area	Pulpwood and Timber Agreements	Total of Area Licensed
1947	906 945 906 849 811 815 793 763	11,710 12,095 11,975 11,913 10,810 10,892 10,802 11,292	56,745 66,254 66,980 69,860 74,257 83,316 87,007	sq. mi. 68,455 78,349 78,955 81,773 85,067 94,208 97,809 98,299

TIMBER LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1955	. 731	6,435,50	85,075,40	21.10	91,532.00
1956	. 748	6,140.05	88,273.71	170.26	94,585.02
1957	. 604	5,600.65	89,952,49	200.94	95,754.08
1958	. 586	5,354.80	98,149.46	181.33	103,685.59
1959	. 569	4.520.62	99,612,16	199.90	104.332.68

MILUS LICENSED, 1947-1954

		,,		
Year	Sawmills Under 5M Feet	Sawmills 5M To 30M Feet	Sawmills Over 30M Feet	Pulp Mills And/Or Paper Mills
1947 1948 1949 1950 1951 1952 1953 1954	506 544 562 597 667 640 624 631	655 661 681 713 682 676 681 642	42 49 40 43 53 58 58	35 35 35 35 35 35 31 29

MILL LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

Year	Sawmills Under 10,000 ft. Daily Capacity	Sawmills From 10-50,000 ft. Daily Capacity	Sawmills Over 50,000 ft. Daily Capacity	Pulp Mills and/or Paper Mills	Total of Mills
1955	1,120	159	58	29	1.366
1956		162	59	29	1,365
1957		160	57	29	1,366
1958	1,124	158	57	29	1,368
1959	1.120	135	54	29	1.338

VOLUME OF WOOD CUT IN ONTARIO (000's Cubic Feet in Years Ending March 31st)

SPECIES	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
									1	The state of the s		
SOFTWOOD												
Balsam	11,563	15.003	13,802	9,418	12,547	16,057	11,860	13,223	14,093	14,374	13,766	12,213
Cedar	139	180	126	127	96	234	197	65	738	459	284	711
Hemlock	5,731	5,272	6,200	5,753	6,679	8,933	5,808	4,368	3,872	5,321	5,050	2,567
Jack Pine	78,964	85,545	81,862	58,175	85,604	108,859	81,644	75,488	81,779	88,664	700,00	78,225
R & W Pine	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528	33,679	32,321	25,238
Spruce	188,645	208.678	174,652	134,310	207,318	251,831	155,873	163,447	175,666	205,320	207,392	180 006
Tamarac	4	7	16	10	7	10	12	16	2.5	102	56	64
Fuelwood	1,185	1,951	1,546	719	673	4,677	3,396	2,354	3,001	2,401	2,536	2,359
Others		:	:	:	:	:			22	32	22	00
TOTAL	311,845	342,951	308,761	234,098	343,530	424,936	293,352	286,605	309,724	348,352	361,424	301,390
HARDWOOD												
Birch	4,092	4,764	5,541	6,303	6,679	7,892	8,623	8,589	7,506	7,437	7,627	8,631
Maple	1,797	2,053	2,499	1,976	2,361	3,592	3,043	2,207	2,265	4,441	3,989	4,261
Poplar	14,190	11,576	13,653	6,036	12,478	22,049	14,272	15,756	12,955	16,921	19,244	20,205
Fuelwood	1,020	1,652	1,054	1,166	268	1,530	1,577	1,293	1,802	1,813	1,982	1,532
Others	580	1,755	1,061	1,148	1,145	1,335	896	169	552	924	789	819
TOTAL	21,679	21,780	23,807	16,628	23,231	36,398	28,483	28,536	25,081	31,536	33,630	35,448
TOTAL CUE.	333,524	364,751	332,568	250,727	366,761	461,334	321,835	315,141	334,806	379,888	395,054	336,838
(Export Levy Not Included)									· was respond to the control of the	1		
TOTAL VALUE in \$000	:	:	:		:	:	10,428	10,756	11,473	12,039	13,363	11,412

TIMBER CUT IN ONTARIO (in 900's Cubic Feet and \$000's) in Years Ending March 31st

Permits Ontario Doyle Boom* Year Issued Scale Scale Sawlogs Timber	46,025 25,267 12,119 851	61.493 5.826 12,029 2,378	5.403 77.087 352 33,326 2,259	5.192 73.986 239 22,967 2,781	55,938 106 27,762 2,796
Boom* Pulp- Timber wood	851 225,659	2,378 245,988			2,796 245,161
Fuel- Christmast wood Trees	3,647 27,430	4,804	4,214	4,517	
Misc.	1,574	2,288	505	579	1,184
Volume	315,141	334,806	379,888	395,054	336,838
Dues	\$ 8,581	9,135	9,619	10,740	8,987
Bonus	\$2,175	2,523	2,573	2,774	2,578
Value	\$10,756	11,658	12,191	13,514	11,565

#Number of trees, averaging 1/2 cubic feet, each. *Boom Timber, Piling, Poles, Booms and Dimension Timber.

TIMBER CUT IN DISTRICTS (in 000's cubic feet and \$000's) in Year Ending March 31, 1958

107 480 480 11,565	61 55 2,578	46 425 8,987 ubic feet.	2,564 14,858 336,838	11 2 1,184 es, aver	20 11 2,564 46 6 36 2 14,858 425 5. 891 16,106 1,184 336,838 8,987 2,577 ‡Number of trees, averaging ½ cubic feet, each.	20 36 3,891 ‡Num	781 13,460 245,161 imber.	50 2,796 ension T	ed 145 1.682 2 69 781 te River 56 686 624 50 13.460 TOTAL 5.051 55,938 106 27,762 2,796 245,161 *Boom Timber, Piling, Poles, Booms and Dimension Timber.	106 Booms	1,682 686 55,938 g, Poles,	145 56 5,051 oer, Pilin
366	146	220	10,639	32		270	3,414	127	1,930	:	1,867	4
126	23	613	3.409	350	: :	258	2,236	18	123	- : :	755	
929	377	299	11,663	2 2 2	37	001	18 620	117	50	: -	1,819	
948	163	785	29,693	:	- 6	78	24,169	447	4,651	:	348	-
607	312	295	12,564	2	:	25	2,129	547	11	:	9,851	•
199	107	92	4,376	17	125	181	515	18	:	:	3,646	
658	314	344	13,793	191		106	1,024	91	348	:	12,033	-
		:	18	:	:	7	4	:	:	:	9	
09	26	33	1,469	:	:	10	31	3	:	:	1,425	
730	102	628	22,781	354	:	189	20,807	306	777	25	323	
1.644	325	1,319	42,925	12	80	360	37,547	29	3,956	:	1,021	
441	96	345	13,013	4	:	43	7,559	479	1,207		3,721	
1,972	140	1,832	68,585	147	:	285	66,239	150	1,764		:	:
212	34	178	8,020	30	15,864	45	7,627	30	42	8	165	
1,272	183	1,090	36,355	14	:	792	33,220	172	1,298		860	
\$ 430	8	\$ 361	18,255	:	:	224	4,862	133	10,879	:	2,156	
Value	Bonus	Dues	Total Volume	Misc.	Christmas‡ Trees	Fuel- wood	Pulp- wood	Boom* Timber	Sawlogs	Doyle Scale	Ontario	Permits O Issued

0.2221400 .807897010

MANAGEMENT UNITS (As of March 31st)

	Co	DMPANY	(ROWN	1	TOTAL	Lic	ENSEES!
YEAR	No.	Sq. Mi.	No.	Sq. Mi.	No.	Sq. Mi.	No.	Sq. Mi
							0 to 1 to 1000	
1954	36		87		123		67	
1955	36		81		117			
1956	39	78,382	82		121		57	12,457
1957	41	78,837	80	129,551	121	208,388	59	13,242
1958	43	85,034	81	125,397	124	210,431	57	11,841
1959	48	89.754	77	120.165	125	210.919	58	12.111

MANAGEMENT PLANS RECEIVED

1954	22	50,106	36	34,308	58	84,414	50	9,158
1955	24	52,000	77	126,000	101	178,000	60	10,000
1956	27	57,706	72	119,015	99	176,721	45	9,074
1957	29	61,730	72	119,015	101	180,745	48	9,706
1958	30	62,773	74	119,596	104	182,369	46	7,947
1959	33	66,043	65	111,669	98	177,712	47	9,021

^{*}Licences of over 50 square miles each within Crown Units.

REFORESTATION ESTABLISHMENTS

As at March 31st. 1959

YEAR

28,356 167,451 41,100 33,414,110

SEED PLANTS	ESTAB- LISHED
Angus. St, Williams.	1923 1908
NURSERIES *PRODUCTION OF NURSERY STOCK	
Chapleau Dryden Englehart Fort William 5,284,795 Gogama Kemptville 4,707,013 Midhurst 10,031,130 North Bay 87,500 Orono 6,178,345 Sault Ste. Marie 5t. Williams 7,063,267	1958 1955 1946 1956 1946 1922 1954 1922 1956 1908
Swastika. White River. 28,965 Bourget. 28,965 Ranger School. 6,500 Southern Research Station 345	1958 1956
Angus Bloomfield (Sand Banks Forest). Elizabethville (Prouse Forest). Fort William Kemptville Midhurst Orono. St. Thomas (McKay Forest). St. Williams Speyside	1923 1920 1946 1946 1946 1922 1922 1940 1908 1942
*DISPOSITION OF NURSERY STOCK	
Planted in Forests Managed by the Minister 4,	080,698 109,640 986,865

*In year ended March 31st, 1959.

Miscellany, Departmental Exhibits, etc.
Stored at Planting Sites, etc.

SUMMARY OF NURSERY STOCK FURNISHED FROM NURSERIES OPERATED BY THE DEPARTMENT

PERIOD													TOTAL TREES
1905-1912													1,480,539
1913-1925													13,096,866
1926													4,433,409
1927													7,104,319
1928													11,138,985
1929													12,789,568
1930													11,175,894
1931													11,846,920
1932													10,303,569
1933													9,422,463
1934												-	9,760,730
1935													10,663,155
1936													10,109,772
1937												-	11,261,644
1938													12,339,993
1939													16,921,906
1940													17,266,697
1941													13,511,299
1942													11,303,187
1943						-		-					10,522,917
1944											-		10,999,379
1945	,				-	-	-						11,280,981
1946	•												13,175,575
1947			-										12,269,533
1948	3											-	13,049,776
1949)												17,700,970
1950)									-	-		19,027,807
1951-1952													20,749,268
1952-1953	,										-		24,241,754
1953-1954											-		23,448,860
1954-1953											-		25,519,383
1955-1956	6												28,351,483
1956-1957													31,081,112
1957-1958									-		-		25,854,262
1958-1959)												33,414,110
	То	T	AI.										526,618,085

TREES PLANTED ON CROWN LANDS IN ONTARIO

1958-59	0.00 6.16	1 751 000	1 028 400	675 715	623.015	1.000,250	19,460	884,100	54.505	383 760	500,000	510,813	322,077	918,200	991,948	796,700	1,747,117	150.000	533 415	991,110	882,000	455,000	23.097	0,500	16.080,698
1957-58	188 177	789,600	525,118	629,800	363,180	400,000	40,210	461,100	12,192	243,600	709,165	205,713	196.025	672,984	598,965	1.036,628	854,840	120,000	305,217	747,105	486.924	209,625	5,863	10,100	9,812,131
1956-57	69 123	1.004.100	791,800	535,000	224,600	330,231	64,912	626,425	168,088	252,200	929,760	311,817	189,900	1,188,600	1,239,300	783,799	1,474,375	104,000	384,050	803,050	938,195	73,450		13,000	12.499,755
1955-56	68.796	572,040	490,262	94,550	18,025	3,066	51,328	225,000	82,770	143,650	496,755	594,734	457,988	1,052,994	1.045,500	167,599	874,000	61,000	161,912	471,500	590,265	23,625		10,500	7,757,859
1954-55	60,974	127,000	451,175	54,250	22,500	2,000	27,935	202,900	79,678	48,800	320,124	377,152	89,102	1,077,180	1,029,100	314,698	997,472	18,250	170,607	271,000	554,425	20,110			6,316,432
1953-54	126,025	101,400	179,125	20,000										1,141,350	477,325	357,625	941,625	9,450	102,160	106,820	120,724	20,800	300		4.917,135
DISTRICT	Aylmer	Chapleau	Cochrane	Fort Frances	Geraldton	rogarna	Lospeier	Kampuskasille	Kempt vine	Tied.	Masay	Maple.	Dome Say	Parry Sound	Don't A attent	Fort Strang.	Saute Ster Marie	Stoux Lookout	Sudbut	Tweed	I Weed	Total	Pougas Calant	Mangel School.	TOTAL

TREES FURNISHED FOR PLANTING ON PRIVATE LANDS

				1820-21	00-1001	1958-59
Algoma	153,250	276.650	271 350	220 250	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Brant	125 350	224,600	166,675	000000000000000000000000000000000000000	310,323	281,373
Britch	000,000	200,122	100,073	243,930	105,775	120,350
	180,900	202,165	190,150	121.625	162,100	165 675
Carieton	117,600	113,950	155.675	106 425	157 175	180,500
Cochrane	22,350	- 700	13,700	11,600	8 200	100,000
Dufferin	446,650	555,125	890,575	1.101.075	504,275	704,700
Dundas	47,500	26,975	49.650	36,800	43,005	04,143
Durham	1,557,975	1.271,050	1.558,125	1.294.825	1 078 025	602,400
Elgin	279,300	174,550	230,875	216,650	105,000	117,400
Essex	84,025	47,925	45,925	40,525	34 650	11,213
Frontenac	52,600	77,075	76,850	77.475	76,500	117 025
Glengarry	13,650	18,675	19,050	15.025	12,825	86,675
Grenville	48,200	123,100	51.575	56,700	62,650	70,550
Grey	470,875	628,075	687,950	569,955	590,375	605,150
Haldimand	83,650	63,225	57,050	52,725	25.000	50,425
Hamburton	91,425	111,675	161,250	162,825	174 525	166 200
Halton	375,575	320,775	275,200	164,700	150,650	200,200
Tastings	228,625	260,650	390,900	498,500	301,425	327,725
Turon	301,800	299,500	314,695	282,000	252,175	256,850
Nenora	1,275	26,500	9,950	13,850	8,100	12,950
Nent	113,850	107,650	131,975	119,175	70.575	108,600
Cambron	180,225	229,975	118,625	113,475	118,050	111 000
anark	138,275	157,100	177,425	146,775	178 050	203,800
	98,200	58,775	58,700	48,300	44,900	74.050
ennox and Addington	79,075	50,425	60,500	103,200	126,400	120,750
Lincoln.	45,075	49,825	57,800	48,350	32,800	71 900
Manitoulin	12,450	69,525	269,600	309,650	151,300	59,700

174,450	422.375	139,800	282,775	279,650	548,225	179,450	722,275	510,475	81,850	196,690	93,300	18,600	154.925	346,875	38,825	1.312,420	19,250	182,200	240,200	9,300	130,075	258,825	131,350	339,550	263.925	638,005	12,986,865
135,825	511,700	205,975	287,100	269,275	528,075	102,700	771,325	349,175	47,500	212,250	53,800	9,675	20,100	324,100	54,150	1.710,525	00006	89,250	175,850	47,525	188,974	196,075	93,375	485,950	198.650	441,275	12,523,099
237,650	564.575	159,200	281.550	388,075	510,475	127,000	909,600	320,275	133,550	241,425	78,275	17,975	36,250	264,200	47,125	1,755,850	12,000	80,875	99,525	42,050	176,275	262,500	109,250	306,250	281,325	691,825	14,421,330
192,725	799,300	242,125	234,800	588,825	635,375	198,100	1,085,300	333,300	104,325	290,900	52,825	25,400	7,275	330,600	16,375	1,964,500	8,575	96,125	254,800	32,100	150,175	250,975	108,875	647,825	313,200	797,775	16,254,270
192,500	577,975	159,725	253,200	390,525	009,009	241,600	875,275	439,175	115,225	258,425	40,550	24,400	1,375	282,325	23,950	2,246,075	33,500	98,375	191,225	23,375	513,525	217,375	130,525	580,925	260,925	603,175	14,559,040
242,225	507,425	167,350	278,800	325,925	581,650	220,775	696,350	426,750	109,620	199,525	28,650	13,450	4,200	283,525	18,600	2,308,350	27,250	69,225	287,575	5,175	114,450	227,600	218,700	577,325	245,925	646,650	14,188,800
Middlesex	Muskoka	Nipissing.	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth.	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Timiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	TOTAL

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER

1958-59		10,700	184,200	114,000			225,300		48,000	96,750	00000	8,000	1.132,590	18,000	499,200		193,000	19,500	127,600	1,000	2,770,940
1957-58		1,500	232,500	59,000			195,600			000'99	17,100		956,613	24,000	333,400	10,000	129,247	13,500	86,500	23,200	2,230,960
1956-57	11,450	136,050	276,500	10,000	10,000	35,925	228,650	000'09	2,000		20,000	26,600	1,125,108	30,000	349,950	34,500	14,600	113,200	86,800	108,200	2,731,233
1955-56		3,000	134,400	14,220	7,200	58,750	155,000	3,600	22,600	250,100	18,400	43,650	1,289,825	21,400	401,750	85,300	29,000	61,500	165,300	95,900	3,113,195
1954-55		7,000	241,750	84,300	000'6	- 1	244.900	65,100	48,850	299,638			1,285,495		307,200	253,925	20,000	20,400	49,000	53,600	3,220,508
1953-54		51,400	353,600			- 6	195,600	15,225		232,275	2,250		1,187,125	45,700	375,025	158,800	105,500	4,000		12,600	3,254,150
County	Brant	Dufferin	Grey	Huron	Kent	Lanark	Leeds and Grenville	Lennox and Addington	Middlesex	Northumberland and Durham.	Ontario	Oxford	Prescott and Russell	Kentrew	Simcoe	Stormont, Dundas, Glengarry.	Victoria	Waterloo	Wentworth	Vork	StrB-TOTAL

10.175	29,900	93.000 190.250 388,600 73.000 14.000 100.000 75,000 71,850 1.308,800 4.109,640	
25,000	115,900	159,900 20,600 209,000 133,030 44,700 37,800 99,400 100,000 100,000 56,000 920,450	
10,250 25,000 25,000 88,950 60,375	184,575	100.675 66,000 165,000 221,000 128,800 13,925 74,000 198,950 198,950 1,128,300 4,044,108	
14,000	139,750	\$1.150 \$8,500 321,800 89,400 11,750 11,750 103,000 129,000 4,199,075	
40,000 47,000 114,950 103,000	304,950	122.800 35.975 372.850 25.800 166.075 34,150 208.000 50.000 4,564,708	
62,500 25,000 30,000	217,500	73.300 88.300 159.900 74,295 74,295 77,800 103.150 870,275 4,341,925	
Bonfield Chapple Charlottenburg Cumberland Fino Aarlotrough Torbolton	SUB-TOTAL CONSERVATION AUTHORITY	Ausable River Big Creek Region Ganaraska River Grand Valley Metro, Toronto & Region Middle Maitland Valley Napanee Valley North Grey Region North Grey Region Otter Creek Saugeen Valley Ctper Trames River Stub-total	

FOREST AREAS MANAGED BY THE MINISTER

County	Date of Agreement	Acreage to March 31st, 1959
Brant. Bruce. Dufferin Grey. Halton. Huron. Kent Lanark. Leeds & Grenville. Lennox & Addington. Middlesex. Northumberland & Durham. Ontario. Oxford. Prescott & Russell. Renfrew. Simcoe. Stormont, Dundas & Glengarry. Victoria. Waterloo. Wentworth.	15 Nov., 1952 20 Jan., 1950 26 Nov., 1930 21 Dec., 1937 14 Mar., 1950 27 Nov. 1950 21 Dec., 1953 5 July, 1940 3 April, 1954 20 April, 1955 9 July, 1950 22 Dec., 1948 26 Dec., 1951 25 Nov., 1949 20 Sept., 1949 21 April, 1950 22 Dec., 1948 26 Dec., 1951 27 Nov., 1949 27 Sept., 1949 28 Sept., 1952 27 Nov., 1952 27 Nov., 1952	50.00 14,656.35 2,042.00 6,668.08 1,245.63 1,339.00 100.00 2,100.00 5,485.50 786.00 1,800.00 733.00 23,063.83 221.00 15,014.19 1,524.45 7,044.00 710.48 889,30 3,472.08
Sub-Total		94,101.89
Township		
Bonfield. Charlottenburgh Cumberland. Galway. Marlborough. Torbolton Sub-Total.	1 April, 1952 1 April, 1955 29 May, 1952 1 Nov., 1952 21 Sept., 1953 28 Mar., 1953	60.00 175.00 808.44 100.00 200.00 430.80
Conservation Authority		
Ausable River Big Creek Region Ganaraska River Grand Valley Metropolitan Toronto & Region Middle Maitland Valley Moira River Napanee Valley Neebing Valley North Grey Region Otter Creek Saugeen Valley Upper Thames River	13 Dec., 1951 2 Dec., 1954 31 Jan., 1947 18 Mar., 1952 11 April, 1951 1 April, 1955 28 Nov., 1951 28 Oct., 1954 15 May, 1958 25 June, 1958 26 April, 1957 15 Dec., 1952 11 April, 1951	2,544.00 1,600.00 7,292.00 3,466.47 1,222.00 350.00 4,485.00 1,030.70 994.00 302.00 7,138.00 3,207.23
Sub-Total		40,087.40
Total		135,963.53

ONTARIO RELATED TO CANADA

Province	AREA SQ. MILES	POPULATION 1959	Entered Confederation
Alberta	255,285	1,243,000	Sept. 1, 1905
British Columbia	366,255	1,570,000	July 20, 1871
Manitoba	246,512	885,000	July 15, 1870
New Brunswick	27,985	590,000	July 1, 1867
Newfoundland	155,364	449,000	Mar. 31, 1949
Nova Scotia	21,068	716,000	July 1, 1867
Ontario	412,582	5,952,000	July 1, 1867
Prince Edward Island	2,184	102,000	July 1, 1873
Quebec	594,860	4,999,000	July 1, 1867
Saskatchewan	251,700	902,000	Sept. 1, 1905
Yukon	207,076	13,000	Organized June 13, 1898
Northwest Territories	1,304,903	21,000	Reconstituted Sept. 1, 1905

Source: Canadian Bureau of Statistics for Year ended June 1st, 1959.

A RECONSTRUCTION OF CANADA'S POPULATION RECORD

1851-1951*

Ontario

Vear	Births	Deaths	Immigration	Emigration	Population at End of Decade	Population Since Confederation
1759				<u> </u>	(Total	
			ł	>	Vhite) 60,000	
1851				:	2,436,000	
1851-61	1.281.000	611,000	209,000	86,000	3,230,000	
1861-71	1.369.000	718,000	187,000	377,000	3,689,000	1,620,000
1871-81	1.477.000	754,000	353,000	439,000	4,325,000	1,926,000
1881-01	1,538,000	824,000	903,000	1,110,000	4,833,000	2,114,000
1801-01	1,546,000	828,000	326,000	505,000	5,371,000	2,182,000
1901-11	1.931,000	811,000	1,782,000	1,067,000	7,207,000	
1911-21	2,338,000	1,018,000	1,592,000	1,330,000	8,788,000	
1921-31	2,414,000	1,053,000	1,195,000	967,000	10,377,000	
1931-41	2,291,000	1,070,000	150,000	241,000	11,507,000	
1941-51	3,205,000	1,216,000	548,000	380,000	14,009,000	
1955		:	:		15,575,000	
1956	:	:	:	:	16,081,000	
1959 (Sept. 1)			:	:	17,550,000	5,990,000

*Taken from "The Growth of Canadian Population" by Nathan Keyfitz.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. Lac Seul Water Diversion-February 28th, 1928.

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

(1) Three-fifths of cost contributed by Canada, \$500,351.52.

Two-fifths of cost contributed by Ontario, \$333,567.67.

- (2) Canada assumes the total cost of maintenance and operation.
- (3) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.
- (4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

 Use of Beckwith Island for Grouse Research— October 7, 1949.

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

3. Use of Certain Areas in Camp Borden for Research in Silviculture—January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

(1) Use and occupy from 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;

- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.

4. Establishment, Maintenance and Operation of:

- (1) Forest Insect Laboratory at Sault Ste. Marie;
- (2) Laboratory of Forest Pathology, at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.

- Co-operation in control of forest insects and forest diseases through entomological and pathological studies;
- Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;
- (3) Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
 - (7) Agreement is subject to review and may be terminated on six months' notice.

5. AGREEMENTS UNDER CANADA FORESTRY ACT

A. December 20th, 1956, partly amended on March 27th, 1958.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) by which Canada undertook to share costs of:

- (1) completing forest resources inventory;
- (2) maintaining forest resources inventory;
- reforesting certain crown lands and other lands owned by public authorities;
- (4) establishing and maintaining nurseries.

This agreement replaces previous one of 28th January, 1952, and extends the Federal Assistance until March 31st, 1961.

The Federal share amounts to: (1) and (2) 50 per cent of total cost; (3) \$10.00 for each reforested unit (1,000 trees) by planting or \$1.00 for each reforested unit (1 acre) by seeding on unoccupied crown land; (4) 20 per cent of the cost.

 B. June 20th, 1957. Agreement between Canada and Ontario by which Canada assists the Province to achieve adequate forest fire protection by sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years, 1st April, 1957, to 31st of March, 1962.

- 50 per cent of the cost of equipment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- 50 per cent of the cost of erecting building to be primarily used for forest fire protection;
- (3) 50 per cent of the cost of charter or employment of aircraft and vessles for forest fire protection;
- (4) 25 per cent of the cost of buildings primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$281,224.00 for 1960-61). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

- January 16th, 1950. Fur Management Agreement between Canada (Department of Mines and Resources) and Ontario (Department of Lands and Forests) for the purpose of mutual assistance in the management and development of fur resources in order to provide better livelihood for Indians.
- 7. Agreement effective from April 1st, 1950, until March 31st, 1960. Relates to that part of the Province of Ontario lying north of the French and Mattawa Rivers. Canada shares in the cost of maintaining and extending fur management services in the amount of \$75,000 per annum. Ontario must spend at least \$150,000 annually on such services. A special Fur Management Committee (two Ontario and one Canada nominee) was created "in order to plan expenditures, advise in the development and management of fur resources within the agreement".
- 5. C. Forest Research Agreement, January 29th, 1959.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee recommends the studies to be made, reviews reports, recommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

UNEMPLOYMENT RELIEF

FEDERAL-PROVINCIAL AGREEMENTS WHICH EXPIRED IN 1959-60

Campgrounds and Picnic Areas

December 2, 1958, between the Minister of Northern Affairs and National Resources and the Minister of Lands and Forests, Canada, with the twofold purpose of providing added employment during a period when there was unemployment in many parts of Canada, and assisting Ontario in meeting the growing demand for campgrounds and picnic areas, agreed to reimburse Ontario in respect of costs incurred in a campground-picnic areas programme during the period from November 1, 1958, to May 31, 1959, or the labour costs of such a programme, whichever was the lesser.

Forest Access Roads and Trail Construction

2. Under an agreement dated the 5th day of February, 1959, between Ontario and Canada, Canada agreed to pay one-half of amounts expended by Ontario between November 1, 1958, and June 30, 1959, on forest access roads and trail construction projects which are not eligible for construction by Canada under any other agreement. No payment on account of the purchase of land or right-of-way or for damages for injurious affection is to be made, and it is a condition that one-half of the expenditures by Ontario must consist of payment of wages.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed—"An Act to Preserve the Forests from Destruction by Fire".
- 1886 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.

- 1893 Algonquin Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.
- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established at O.A.C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1908 St. Williams Forest Station established.
- 1909 Ouetico Park established.
- 1910 Lumbermen assessed for full cost of maintaining -17 fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.
 - Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirtyfour Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.

First air patrols carried out as a measure of forest protection.

- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General
- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations.

New Inspectorates of Hudson and North Bay established.

1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.

- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forests (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.
- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established. Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Lake Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
- 1947 The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis.
- 1949 White River District established (Central Region), the 22nd District.
- 1951 Division of Law abolished. Legal affairs directed by Departmental Solicitor.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.
- 1954 By March 31st, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.
 - 1956 Rideau District named Kemptville District.
 - 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches In the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

Total: Eight Divisions and two Sections.

- 1958 The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.
- 1959 Silviculture becomes the third Branch in Division of Timber.

MEMORANDUM

MEMORANDUM

MEMORANDUM

LF45 576

A

STATISTICAL REFERENCE OF

LANDS AND FORESTS ADMINISTRATION

1961



Carl Comme

DEPARTMENT OF LANDS AND FORESTS

HON. J. W. SPOONER

F. A. MACDOUGALL Deputy Minister



TABLE OF CONTENTS

	2111110	
	Foreword	Page
	Premiers of Ont	1
	Foreword Premiers of Ontario since Confederation. Commissioners and Ministers since 1827 Deputy Ministers since Confederation.	2
	Deputy Ministers since 1827.	3
		4
	ACCOUNTS BRANCH	
	Organization Chart Revenue and Expenditures	5
	Revenue and Expenditure	6
	Cash Receipts	7
	Timber Cash Pagaint	8
	Fish and Wildlife C 1 B	9
	Provincial Parls Cash Receipts	10
	Cash receipts	12
j	ISH AND WILDLIEF RDANGY	
	Organization Chart Bounties Paid (Wolf and Pare)	13
	Bounties Paid (Wolf and Bear) Revenue from Palta Francisco	14
	Revenue from Pelts, Exported or Tanned	15
	Value of Pelts, Exported or Tanned	16
	Value of Pelts, Exported or Tanned Fur Returns by Game Management Districts Breeding Stock on Fur Farmer	17
	Breeding Stock on Fur E.	18
	Hunting and Angling Licenses C. 11	19
	Hunting and Angling Licences Sold. Prosecutions, Fines, Sale of Seizures Pheasant Hunting Preserves	20
	Pheasant Hunting Preserved Seizures	21
	Commercial Phospart I	22
	Distribution of Hatal	2.3
	Distribution of Hatchery Fish Production of Fish Hatcheries Yield of Ontario Fisheries by Special	24
	Vield of Optorio Fish Hatcheries	$\overline{27}$
	Yield of Ontario Fisheries by Species.	28
		29
	rishing Equipment	30
1	OREST PROTECTION BRANCH	
		31
		32
	Forest Fires, Acres Burned Over Forest Fires by Districts, 1060	35
	Forest Fires by Districts, 1960.	36
	Forest Fires by Origin	37
	Forest Fires by Detection and Sin	38
	Forest Fires by Origin Forest Fires by Detection and Size Forest Fires—Estimated Dames	39
	Forest Protection Pormit	40
	Major Equipment	41
	Major Improvement	42
	Air Service Base Opening D	44
	Vino Timo Dil	45
	Aircraft Service De-	48
	Hours Flows on V	49
	Radio Stations Call Comperations	50
	, signs, Frequencies	51
(Organization Chart. Lands Section	55
1	Lands Section. Summer Resort Lands Sales and Summer Section.	56
	Summer Resort Lands Salos and S	59
	outes and surveys	61

TABLE OF CONTENTS-Continued IDE AND SUDVEYE BRANCH Continued

Dice

LANDS AND SURVEIS DRANCH COMMINGE	LAGE
Free Grant Land Locations and Assignments Agricultural Land Sales and Assignments Land Use Permits	62 63 64 65 66
Law Branch	67 68 71
OPERATIONS BRANCH Organization Chart Lecture Tours Information and Education Services Purchasing and Supply	77 78 79 80 81
Parks Branch Organization Chart Public Use of Provincial Parks Provincial Parks, Established and Pending	83 84 85 86
Personnel Branch. Organization Chart. Classification of Personnel. Employment Status, Technical Personnel. Junior Rangers Distribution. Administrative Districts, Areas. District Supervisors.	91 92 93 94 95 96 98
RESEARCH BRANCHOrganization Chart	111 112
Timber Branch Organization Chart Reforestation Section Licensed Areas, Licensed Mills Volume of Wood Cut by Species Timber Cut in Ontario. Timber Cut in Districts, 1959. Management Units and Plans. Aerial Surveys Reforestation Establishments Summary of Nursery Stock Furnished Trees Furnished to Private Lands Trees Planted on Managed Forests Trees Planted on Crown Lands. Forest Areas Managed by the Minister	115 116 117 118 119 120 121 122 123 124 125 126 128 130
MISCELLANEOUS Population and Areas of Provinces Canada's Population Record Historical Highlights	133 134 135

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1960 season and are subject to correction in the Annual Report for the year ending March 31st, 1961.

Premiers of Ontario Since Confederation

	From	То
Hon. John Sandfield		
Macdonald	July 16, 1867	Dec. 19, 1871
Hon, E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat	Oct. 25, 1872	July 9, 1896
Hon. A. S. Hardy	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J. P. Whitney	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard		
Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury	Nov. 14, 1919	July 16, 1923
Hon. G. H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G. S. Henry	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn	July 10, 1934	Aug. 21, 1942
Hon. G. D. Conant	Oct. 21, 1942	May 18, 1943
Hon. H. C. Nixon	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	

Commissioners and Ministers Since 1827

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Hon, Peter Robinson....
                            Tuly
                                 17, 1827
                                           July 14, 1836
Hon. R. B. Sullivan....
                            Tulv
                                 14, 1836
                                           June 30, 1841
                                 23, 1841
Hon. John Davidson . . . .
                            Tuly
                                           Oct. 12, 1842
Hon. A. N. Morin . . . . .
                            Oct.
                                 13, 1842
                                           Dec. 11, 1843
                                 3, 1844
Hon. D. B. Papineau....
                                                 7, 1847
                            Sept.
                                            Dec.
Sir John A. MacDonald..
                                  8, 1847
                                           Mar. 10, 1848
                            Dec.
Hon. J. H. Price....
                           Mar. 11, 1848
                                           Oct. 27, 1851
                                           Aug. 17, 1853
                           Oct. 28, 1851
Hon. John Rolph . . . . . . .
Hon. Louis V. Sicotte....
                           Aug. 17, 1853
                                           Aug. 26, 1853
                           Aug. 31, 1853
                                           Jan. 26, 1855
Hon. A. N. Morin . . . . .
Hon. Jos. Cauchon.....
                           Ian. 27, 1855
                                           April 30, 1857
Sir E. P. Tache....
                                           Nov. 24, 1857
                            Tune 16, 1857
                           Nov. 25, 1857
Hon. Louis V. Sicotte....
                                           Aug. 1, 1858
Sir. A. A. Dorion . . . . . .
                           Aug. 2, 1858
                                           Aug. 6, 1858
                                 7, 1858
Hon. P. M. Vankoughnet
                            Aug.
                                           Mar. 18, 1862
                           Mar. 27, 1862
                                           May 23, 1862
Hon. George Sherwood . .
Hon. Wm. McDougall . . .
                           May 24, 1862
                                           Mar. 29, 1864
Sir Alex. Campbell.....
                           Mar. 30, 1864
                                           June 30, 1867
                                           July 25, 1871
Hon, Stephen Richards...
                           Tulv
                                 1, 1867
Sir Matthew C. Cameron.
                           July 25, 1871
Dec. 21, 1871
                                           Dec. 21, 1871
Sir Richard W. Scott....
                                           Nov. 30, 1873
Hon. Timothy B. Pardee.
                           Dec.
                                 4, 1873
                                                19, 1889
                                           Jan.
Hon. Arthur S. Hardy....
                                                21, 1896
                                           July
                           Ian.
                                 19, 1889
Sir John M. Gibson . . . .
                                21, 1896
                                           Oct. 21, 1899
                           Tulv
                                 21, 1899
                                           Nov. 22, 1904
Hon. E. J. Davis.....
                           Oct.
Hon. A. G. McKay.....
                           Nov. 22, 1904
                                           Feb.
                                                 8, 1905
Hon. J. J. Foy.....
                                 8, 1905
                                           May 13, 1905
                           Feb.
Hon. F. Cochrane.....
                           May 13, 1905
                                           Oct. 11, 1911
Sir William Hearst.....
                                                22, 1914
                           Oct. 12, 1911
                                           Dec.
                           Dec. 22, 1914
                                           Nov. 13, 1919
Hon. G. H. Ferguson. . . .
                           Nov. 14, 1919
                                                11, 1923
Hon, B. Bowman . . . . . .
                                                28, 1926
                           July 16, 1923
Hon. Jas. Lvons.....
                                28, 1926
                                                18, 1926
Hon, G. H. Ferguson....
                           Feb.
                                           Oct.
Hon. Wm. Finlayson . . . ,
                           Oct.
                                18, 1926
                                           July 10, 1934
                           July 10, 1934
                                           May 27, 1941
Hon. Peter Heenan.....
Hon. N. O. Hipel . . . . .
                           May 27, 1941
                                           Aug. 17, 1943
Hon. W. G. Thompson . .
                           Aug. 17, 1943
                                           Nov. 28, 1946
Hon. H. R. Scott .....
                           Nov. 28, 1946
                                           June 3, 1952
                                                7, 1954
                                3, 1952
                                           July
Hon. W. S. Gemmell . . . .
                           Tune
                           July 7, 1954
Hon. C. E. Mapledoram.
                                                4, 1958
                                           Tuly
Hon. J. W. Spooner . . . .
                           July 23, 1958
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Deputy Ministers Since Confederation

1867	Andrew Russell
1868	Andrew Russell
1869	THOMAS H. JOHNSON
1887	AUBREY WHITE
1915	ALBERT GRIGG
1921	WALTER CAIN
1941	FRANK MACDOUGALL

AUBREY WHITE was first appointed to the staff as Crown Lands Agent for part of Muskoka, on April 30, 1878, at \$500 per annum. He was a practical man who knew the bush and the country, and he was appointed Clerk in the Woods and Forest Branch, January 1, 1882, at \$1,700 per annum. Mr. Johnson died in January, 1887, and Mr. White was appointed in his stead. Mr. White's recommendations led to the first forest fire protection organization in 1885.

ALBERT GRIGG was a former Member of the Legislative Assembly from Bruce Mines, who resigned in 1921. He was an ardent dry and has been perennial mayor of Bruce Mines for many years. Pioneer stock.

Walter Cain was appointed Clerk in the Lands Branch by the Hon. Elihu J. Davis. He taught school, worked in saw mills and took his B.A. at Varsity while employed. After Mr. Grigg resigned, Mr. Cain was appointed acting Deputy and later confirmed in the position. He was in his day one of the Canadian Greats on the lacrosse field. Superannuated in 1941, he died in 1954.

Frank MacDougall started at the bottom. After excellent service in the Canadian Army during the 1914-1918 war he served on the temporary staff, took his degree as a Forest Engineer at Varsity, was appointed to the permanent staff, May 15, 1923, became District Forester at Sault Ste. Marie, Superintendent of Algonquin Park, obtained pilot's license, undertook special investigations, and was appointed Deputy Minister in 1941. He headed the reorganization activities of the succeeding years.

ACCOUNTS BRANCH

Accounts Branch is charged with the responsibility of accounting for the entire Department, the collection of revenue and the payment of all expenditures. It is responsible for the administration of The Provincial Land Tax Act and (since the inclusion of the former Department of Game and Fisheries) the issuing of fish and wildlife licences. Other responsibilities include the preparation of budgets, financial reports, compilation of payrolls and issuing of park permits.

Accounts Branch was re-organized in 1942 under the direction of J. G. McMillen. Accounting methods and procedures were modernized and mechanized to provide a complete internal control of the Department's revenue and expenditures.

R. R. MacBean was appointed Chief of Accounts Branch on January 1st, 1956.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MACBEAN

Assistant Chief: F. M. BAKER

Internal Audit
Internal Auditor: S. E. Neundorf
Internal Audit and Field Inspections

Systems and Procedures
Supervisor: Vacant

Land Tax Administration
Supervisor: A. C. Molloy
Assessments, Appeals, Addressograph

Revenue Accounting
Supervisor: Vacant
Cash Receiving, Accounts Receivable,
Issue of Fish and Wildlife Licenses,
Park Permits, Timber Accounts, Land Sales

Expenditure and General Accounting
Supervisor: Vacant
Payrolls, Accounts Payable, Accounting
Machine Operations, Special Accounting

Budget and Special Accounting Supervisor: E. K. Pukacz Budget Estimates and Forecasts, Financial Reports

Other Staff
Secretarial
Department Mail Services
Field Office Trainees

Revenue and Expenditures in Years Ending 31st March DEPARTMENT OF LANDS AND FORESTS

	REVENUE	UE	EXPENDITURE	TURE	BALANCE
	ORDINARY	CAPITAL	ORDINARY	CAPITAL	
1934	2,327,784.94	54,752,73	2,297,076,46	388.422.87	302.961.6677
1935(3)	860,909.93	34,906,89	632,683.96	97,656.24	165.476.62
1936	3,476,648.75	88,939,50	1,737,940.93	306,569.88	1.521.077.44
1937	3,757,125.17	60,922.65	2,336,151,40	443.491.73	1.038,404,69
1938	4,692,016.08	54,921.78	2,233,253.64	363,507.42	2,150,176,80
1939	5,557,901.17	61,152.15	2,790,491.27	407,079.83	2,421,482,22
1940	4,629,579.91	76,545.53	2,698,570.83	397,331.81	1,610,222.80
1941	6,077,439.09	59,912.64	2,637,270.83	330,059,75	3.170,020.55
1942	6,287,161.43	37,339.68	2,910,615.37	320,502,77	3,093,382,97
1943	6,964,338,05	69,275.28	4,072,688.46	3,029,42	2.957.895.45
1944	6,567,183.32	130,524.24	3,610,850.90	4.574.92	3.082,281,74
1945	6,436,259.97	155,219.01	4,210,648.47	341,95	2.380,489.46
1946	8,321,551.84	193,061.14	4,839,821.50	8,234,30	3.666,557.18
1947	10,366,281.93	261,865.96	7,043,267.18	116,523,23	3,468,357,48
1948	10,456,251.70	215,151.77	7,598,611.94		3,083,791,53
1949	11,410,352.16	215,884.90	11,400,801.97		234,435.09
1950	10,921,652.37	677,603.32	9,913,520.62	4,623,339,12	2.934,604.05(7
1951	10,962,465.72	5,351,437.91	9,840,796,17	3,326,822,18	3.149.885.28
1952	14,602,165.18	3,222,682.07	10,681,717.01	2,196,671.93	4.949,208.31
1953	20,621,374.56	2,513,325.57(4)	11,486,280.94	1,654,781.54(4)	10,006,812.65
1954	18,156,762.00	1,810,672.96	12,608,258.47	800,000,00	6,559,176,49
1955	19,146,974.96	178,810.09	12,716,508.33	178,810.09	6,430,466,63
1956	19,823,049.47	328,055.86	17,148,523.65	128,297,23	2,874,285,45
1957	20,881,873.91	367,501.40	16,037,678.39	187,935,36	5.023,761.56
1958	22,189,712.48	490,717.96	18,733,582.62	280,550.13	3,666,297.69
1959	19,512,132.50(5a&b)	725,375.25	20,259,829,63	4,167,468.40(6)	4.189.790.28(1)
1960	18,627,418.14(5a)	817,560.60	23,029,901,12(6)	991,022,60	4,575,944.98(1)
(I) Operating Deficit		17 include former I	Years 1931-47 include former Department of Game and Fisheries.	Fisheries. (3)	Five-month vea

(4) Missisagi Salvage Project. (50) Reflects cut-back in Woods Operation of previous years. (5b) Water Power Revenue transferred to Treasury Department. (6) Park Improvement Projects.

CASH RECEIPTS (In Years Ending 31st March)

1932 275,230,38 1933 25,84,60 1935 41,60 1935 48, 107,20,28 1937 440,489,75 1937 480,75 1937 65,885 1940 65,885 1941 67,200,44 1941 68,435,03 1942 68,435,03 1944 99,226,07 1945 84,25,20	** ** ** *27,412.80 *27,874.00 *402.529.44 571,351.76 571,351.76 571,351.76	140,016.47	440 700 00	-			
*		00 404 00	119,720.00	1,710.13	:		993,56
÷		72,437.28	131,447,74	1,011.31		7 046 97	35 207.65
		28.471.94	107.301.57	567.23	13.181.73	3.863.47	7,723.96
		65,128.21	131,928.13	1,411.77	54,131.33	8,568.26	23,376.30
		80,380.93	178,621.85	1,973.26	19,212.96	9,742.67	23,294.96
		70,248.55	234,761.42	2,137.50	11,643,18	8,890,46	23,193.24
		75,212.06	129,178.01	2,386.96	6,680.04	4,253.89	28,889.28
		94,947.38	133,935.87	1.987.47	4,270.05	5,334.99	38,222.77
		53,820.61	169,608.77	2,247.14	5,794.32	5,643.14	38,506.02
		41,960.84	146,801.88	3,461.64	10,902.02	5,833,50	40,183,09
		69,162.08	146,013.91	3,191.91	6,945,96	8,453,36	28,669,50
:		118,745.26	158,744.95	2,924.52	19,448.31	26,137.92	22,916.40
		155,219.01	175,341.55	4,913.34	12,416.85	10,558.66	26,850,25
		193,061.14	209,459.44	9,047.68	25,284.13	19,386.47	30,942.78
		261,865.96	204,474.57	11,070.65	15,258.36	25,373.17	46,401.74
		215,151.77	185,470.29	13,825.05	8,376.00	25,562.25	53,229,92
		215,884.90	217,520.66	17,225.04	6,373.00	1,684.71	48,330,64
		217,642.25	242,292.14	18,778.07	10,733.90	153,35	70,706.89
		188,444.32	322,660.63	19,092.24	13,407.45	60,40	38,975,29
		186,225.03	367,695.92	21,773.97	16,710.03		55,473.15
953 140,248.29		197,367.94	393,236.04	22,722.55	11,720.41	128,220.21	30,140.84
		184,427.52	562,722.77	23,545.76	16,360.82	157,891.72	46,268,74
		212,985.32	644,960.82	30,660.01	16,724.19	216,246,77	46,487.37
		295,056.86	687,296.11	39,579.23	15,267.05	174,278.65	98.384.51
		309,313.63	776,789.46	59,633.73	12,792.93	160,244,40	96,064.82
3 264,851.96		358,426.76	810,465.62	62,225.41	13,392.59	146,173.44	76,874,63
280,859.77		551,088.38	1,114,637.82	84,023.85	20,825.75	160,130.77	103,223.87
9 298,705.60		607,537.84	1,133,878.92	87,940.72	32,235.79	160,361.84	94,636.78

^{***}Taken over by Treasury Department. **Five-month Year.

TIMBER BRANCH

	Analysis of Cash	Receipts in Yes	Analysis of Cash Receipts in Years ending 31st March	rch	
	Timber Dues and Bonus	Ground Rent	Fire Tax	Other Receipts	Total Receipts
1932.	1,759,711.11	73,801.07	270,515.42(1)	1,480.25	2,105,507.85
1933	961,119.91	72,337.36	275,355.95(1)	771.01	1,309,584,23
1934	1,111,095.31	95,733.43	296,241.83	32,132.32	1,815,462.54
			280,259.65(1)		
1935 (5 Mos.)	359,018.34	6,764.61	9,895.85(1)	898.00	376,576.80
1936	2,070,654.87	76,730.34	280,285.04	2,433.18	2.570,245.95
			140,142.52(1)		
1937	2,180,583.48	104,692.15	473,859.35(1)	45,508.22	2.804.643.20
1938	2,928,504.94	88,163.13	416,144,68(1)	4,751.21	3,437,563,96
1939	3,351,304.55	76,282.39	409,546,33	74,939.24	3,912,072,51
1940	2,300,307.53	88,036.46	428,271,15	47,146.57	2,863,761,71
1941	3,404,708.57	136,626.71	543,522.19	68,379,73	4,153,237,20
1942	3,695,167.49	79,370.11	276,577.26	71,461.64	4,122,576.50
1943 (Not Analysed)					4,982,281.03
1944 (Not Analysed)					4,561,733,49
1945	3,606,191.54	117,396.26	436,395.41	81,597,79	4,241,581.00
1946	4,947,915.12	115,299.49	419,322.89	72,243.81	5,554,781,31
1947	6,175,443.93	125,060.70	461,163.51	182,436.25	6,944,104.39
1948	6,093,409.64	126,875.25	456,443.81	178,302.28	6,855,030.98
1949	6,879,106.93	108,934.25	440,010.56	115,761.63(2)	7,332,290.11
1930	6,146,884.32	112,139.00	485,313.46	44,898.26	6,789,235.04
1951	5,269,278.71	116,641.52	1,007,661.97	67,521.04	6,461,103.24
1952	8,324,529.10	114,196.50	1,010,554.47	51,585.03	9,500,865.10
1953	13,718,338.94	123,366.41	1,175,775.93	100,219.59	15,117,700.87
1954	10,225,154.88	79,831.50	1,052,634.61	8,839,38	11,396,460.37
1955	10,834,113,77	76,019.46	945,953.21	71,591.78	11,927,678.22
1956	11,667,002.82	76,234.00	971,517.29	8,023.81(2)	12,706,730.30
1957	12,332,778.27	80,786.20	1,091,659.16	51,344.11	13,556,567.74
1958	13,333,502.64	81,098.00	1,041,836.51	25,428.76(2)	14,431,008.39
1959.	11,382,444.87	84,468.00	1,085,027.40	31,939.91(2)	12,520,000.36
1960	10,381,269.76(3)	82,455.00	1,057,803.78	43,793.81	11,565,322.35

(1) Applied as Refund to Expenditure on Forest Ranging. (3) Cut-back in Woods Operations.

(2) Refund of Deposits in Excess of Cash Receipts.

Analysis of Cash Receipts in Years ending 31st March FISH AND WILDLIFE BRANCH

	Moose Licenses	Trapping Licenses & Royalty	Fur Dealers, Fur Farmers, Tanners & Cold Storage Licenses	Tourist Outfitters Licenses	Other	Total
1032	6 242.50	130.574.08	37.758.00		37,991.46	613,784.70
1933	5,219,50	117,053.57	38,078.10		27,485.85	571,657.35
1034	3,162.50	121,685.90	36,785.50		21,366.17	544,738.47
1935(1)	2,194.50	48,378.05	20,341.00		11,185.50	258,348.04
1936	2,728.00	139,199.55	34,405.00		30,722.94	683,938.72
1937	2,981.00	109,201.95	37,395.50	4,950.00	41,982.24	785,466.39
1938	3,179.00	92,800.30	36,473.25	5,790.00	42,078.37	868,480.89
1939	2,574.00	100,330.05	31,904.75	6,855.00	71,543.52	914,475.24
1940	2,733.50	156,292.70	35,297.50	7,445.00	61,725.85	1,015,350.82
1941	2,948.00	137,394.68	36,298.50	7,345.00	69,897.04	984,800.69
1942	3,278.00	175,815.10	36,117.00	7,840.00	68,531.47	1,183,269.29
1943	4,372.50	161,634.60	32,877.00	6,565.00	52,557.11	962,350.89
1944	4,697.00	195,286.20	36,853.00	5,990.00	60,419.40	975 072.60
1945	4,812.50	247,562.30	37,263.00	6,510.00	73,009.67	1,193,033.72
1946	7,051.00	277,768.10	44,509.00	8,435.00	109,234.28	1,651,165.66
1947	9,316,45	274,138.90	43,162.00	7,290.00	112,611.55	2,248,200.65
1948.	11,878.25	206,514.45	41,251.00	10,872.25	87,190.62	2,431,533.42
1949.	16,787.39	328,171.15	38,911.00	13,897.50	96,118.41	2,827,773.93
1950	352.21	293,426.32	34,449.15	16,192.76	95,619.17	2,790,710.82
1951		321,697.57	32,606.03	16,339.87	101,944.22	3,082,091.40
1952.		341,663.82	29,633.97	21,234.44	104,564.63	3,341,179.88
1953.	33,487,00	398,604.16	27,098.00	18,120.83	106,937.77	3,409,915.18
1954	52,464.00	353,005.27	21,873.00	20,455.00	131,846.65	3,800,735.42
1955	73,460.00	343,220.21	22,783.10	17,401.94	158,906.45	3,989,255.62
1956	90,040,00	317,051,99	20,309.00	19,419.44	152,730.39	4,154,714.41
1957	134,210,00	272,951.95	17,425.00	20,470.56	158,060.16	4,205,827.22
1958	173,650.00	277,800.15	15,963.00	23,560.00	159,068.07	4,434,531,48
1959	214,664.00	268,275.99	9,083.00(4)	16,290.00(2)	157,354.61	4,439,823.77
1960	245,032.75	252,001,35(5)	9,234.25		163,571.10	4,622,206.79
(I) Five-month year.	(2) Revenue co	vers 9 months ta	(2) Revenue covers 9 months taken over by Travel and Publicity Department-	and Publicity De	partment—Januar	ary 1/59.
(4) Fees reduced. (.	5) Royalty Decrease		Revenue for Years 1931-1947 inclusive from Department of Game and Fisheries	inclusive from Dep	partment of Gam	e and Fisheries.

10

FISH AND WILDLIFE BRANCH Analysis of Cash Receipts in Years ending 31st March

tes, Deer ing Licenses	0.00 64.961.10	0,	9.55 47.263.70	5.45 48.684.40		7.50 59,351.25												5.05 237,707.05												and the second transfer of the second
Non-Res. Hunting Licenses									.18 84,590.00						51 218,855.00													-,		
al Gun Licenses	1	5 75.			_	-4	77,780.81		•																		2	71(3) 292,712.93	3)	
Commercial Fishing Licenses and Royalty	35 106,996,2		-				_	_					1				_	_		06 121,688.19								3 95	20 90,827.24(
Angling	136,077.35	121.981.18	128,472.22	7,338.85	200,641.65	272,690.	331,430.45	339,450.05	391,504.00	384,675.0	476,519.9	306,263.8	288,685.0	412,073.30	605,320.0	1,000,866.3	1,156,904.	1,350,500.93	1,450,180.46	1,637,775.0	1,868,745.	1,949,891	2,086,074.0	2,204,667.	2,279,335.59	2,294,761.04	2,431,976.7	2,337,425.	2,399,612.	/ a) T)
	932.	933	934	1935(I)	936	1937	1938	939.	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959		

ease in 1934.13 caused by includible in caren, whitenshi having diopped heavily. Revenue for Vears 1931-1947 inclusive, from Department of Game and Fisheries.

PROVINCIAL PARKS (1)

Analysis of Cash Receipts in Years Ending 31st March

Total	34,679.35	39,871.26	52.271.17	56,427.55	62,939.42	58,598,24	53,203.67	54,601.90	42,706.28	52,548.67	48,190.94	51,924.60	65,677,46	56,667.16	62,467.12	52,234.76	53,660.48									012,127,92	
Misc.	15,286.35 9,934.19	16,504.65	28,154.29	31,062.64	35,609.89	31,087,88	25,825.09	27,500.77	23,731.10	24,704.21	24,491.79	27,981.17	39,863.58	28,083.36	24,174.99	20,530.35	21,357.95	22,943.18	19,254.41	12,724.46	13,412.76	34,376.58	5,887.12	10,720.90	19,384.83	17,115,01	
Non-Res. Guide Permits					:												:						2,350.00	2,175.00	2,775.00	2,525.00	
Hunting Fees		:			:														:				2,484.00	2,825.00	2,999.00	3,402.00	
Campers' Permits																			:				45,612.75	78,462.25	124,137.05	206,148,25	
Boat Permits		:			:																		2,287.00	1,662.00		2,424.00	
Vehicle Permits																	:							148,488.20	207.751.00	292,459,00	onth year.
Total Rentals	19,393.00	23,366.61	24.116.88	25,364.91	27,329.53	27,510.36	27,378.58	27,101.13	18,975.18	27,844.46	23,699.15	23,943.43	25,813.88	28,583.80	38,292.13	31,704.41	32,302.53	32,021.18	33,108.18	39,459.71	42,822.27	42,611.67	64,799.79	51,066.48		87,964,66	(2) Five-month year
Rondeau Rentals	9,739.99	9,057.73	10.078.06	9,729.26	9,637.23	10.307.55	9,805.42	10,193.39	9,236.07	10,086.14	10,695.44	11,665.83	12,950.03	14,118.11	22,007.79	15,305.09	15,656.96	16,476.83	17,267.89	19,196.58	22,187.79	22,210.24	21,833.80	21,013.24	23,539.23	18,062.65	e 1956.
Algonquin Rentals	4,348.89 5,123.36																										Branch since 1956,
Vear	1932	1934	1935(2)	1937	1938	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	(I)Under Parks

FISH AND WILDLIFE BRANCH

Though game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period when Upper and Lower Canada were united, they had not the significance that they attained when the Department of Game and Fisheries was formed under different departments from time to time until the annual report for 1888-89 intimated that the control and management of fisheries was placed under the Crown Lands Department. In the following year the game laws were amended and in 1897 the Commissioner reported that the fishing service had been transferred to the Attorney General.

The Department of Game and Fisheries developed until 1946 when it was included as a Division of the Department of Lands and Forests, becoming a Branch in 1959.

Appointed Chief of the new Division, the late Dr. W. J. K. Harkness, a widely recognized authority, introduced many of the modern principles of fish and wildlife management.

Dr. C. H. D. Clarke was appointed Acting Chief of the Branch on September 1st, 1960.

FISH AND WILDLIFE BRANCH

Acting Chief: C. H. D. CLARKE

Wildlife Section
Supervisor: D. N. Omand

Game Management Fur Management Field Services

Fisheries Section
Supervisor: H. H. MacKay
Game Fisheries and Hatcheries
Commercial Fisheries

Special Staff
Chief's Clerical Staff

Departmental Consultant Accounts and Staff Records Reports, Publications and Laboratory

BOUNTIES PAID IN YEARS ENDING 31st MARCH

BEAR BOUNTY

WOLF BOUNTY

Total Amount Paid 533,607 45,546 45,994 45,000 59,275 56,927 46,457 46,457 41,803 41,853 33,703 33,703 34,255 41,853 34,703 34,255 41,558 Total Pups Brush ,062 651 634 739 720 620 559 486 574 606 528 777 ,182 961 **Fimber** ,440 ,515 ,581 ,405 ,405 ,198 ,313 ,075 ,302 ,195 ,047 ,169 Total Amount Paid \$9,735 5,095 6,035 8,530 4,645 4,180 6,805 10,000 11,590 6,225 16,930 11,145 7,590 Under 12 mts. \$5 each 73 17 17 67 122 47 29 57 145 99 50 50 300 116 12 mts. and over \$10 each 126 592 803 453 408 662 947 614 ,568 950.... 951.... 952.... 954.... 956.... 948.... 949.... 955.... 946.... 947.... Year

REVENUE RECEIVED FROM PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

	ž	NUMBER OF PELTS	LTS	Roy.	ROYALTY ON WILD PELTS	Pelts
Year	Export	Total Export	Tanners	Export	Total Export	Tanners
1947	45,847	762,998	214,636	\$ 91,694.00	\$ 188,560.40	\$ 23,229.30
1948	20,083	862,700	294,017	40,166.00		
1949	74,253	940,378	271,167	148,506.00	238,073.05	27,156.25
1950	65,600	620,606	181,723	131,200.00	219,948.80	18,074.95
1951	81,845	814,447	149,340	163,690.00	241,937.60	15,492.75
1952	105,503	922,868	188,847	211,006.00	300,321.05	19,556.35
1953	122,287	998,713	256,476	185,103.00	300,798.80	26,313.75
1954	105,071	066'806	240,441	157,635.50	268,822.90	25,430.1
1955	134,729	941,348	325,947	135,919.50	242,489.95	34,794.90
1956	112,663	769,027	190,566	112,663.00	196,956.25	20,766.50
1957	111,278	788,370	248,613	111,278.00	194,339.80	27,596.25
1958	140,930	879,316	149,779	140,930.00	224,921.35	9,407.05
1959	119,684	830,538	112,564	119,684.00	195,586.05	8.352.70
	109,757	821,980	106,374	109,757.00	188,562.25	6,950.15

PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

		NUMBER OF PELTS	F PELTS			VALUE OF PELTS	
Year	Wild	Ranch Mink	Total Ranch	Total	Wild	Ranch	Total
1947	876,204	73,770	101,430	977,634	\$4,966,209.43	\$2,262,888.38	\$7,229,097.81
1948	1,001,249	125,829	155,468	1,156,717	4,040,846.67	2,346,038.61	6,386,885.28
1949	1,046,628	143,358	164,917	1,211,545	5,187,075.19	1,647,044.38	6,834,119.57
1950	931,890	143,513	158,912	1,090,802	4,248,297.37	2,165,232.63	6,413,530.00
1951	811,579	142,570	152,208	963,787	4,582,900.62	3,101,559.30	7,684,459.92
1952	959,431	144,436	152,284	1,111,715	3,656,919.00	2,355.226.00	6,012,145.00
1953	1,098,286	152,760	156,903	1,255,189	3,868,812.40	2,171,784.00	6,040,596.40
1954	1,016,672	131,192	132,759	1,149,431	2,682,762.00	1,905,518.15	4,588,280.15
1955	1,107,530	158,662	159,765	1,267,295	4,284,902.19	2,942,968.00	7,227,870.19
1956	786,608	171,723	172,985	959,593	2,989,521.74	4,129,555.00	7,119,076.74
1957	788,666	247,998	248,317	1,036,983	2,575,808.67	2,978,209.00	5,554,017.67
1958	791,165	237,172	237,930	1,029,095	2,713,427.01	3,943,119.20	6,656,546.21
1959	680,189	262,788	262,913	943,102	2,445,202.55	3,969,223.80	6,414,426,35
1960	641,093	286,845	287,265	928,358	2,831,173.59	4,446,097.50	7,277,271.09

FUR RETURNS BY ONTARIO GAME MANAGEMENT DISTRICTS IN YEARS ENDING 30th JUNE *

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Year	Reg.	Res.	Farm	Total	Beaver	Fisher	Arc, Fox	Col. Fox	** Lynx	Marten	Mink	Muskrat	Otter	Racoon	Skunk	Squirrel	Weasel	Wolf	*** WIV.
1949		:	:	4,326	46,208	1,027	39	2,783	409	120	19,867	172,219	3,276	129	7.7	209	20,544	178	2.4
1950	:	:	:	4,917	62,717	310	14	1,727	389	4.8	30,750	146,145	3,488	99	169		44,463	399	13
1981	4,057	6,422		11,379	81,790	799	139	3,341	415	1,045	31,323	408,662	6,137	0,667	4,538	4,121	32,002	650	00
1952	4,985	6,656	:	11,641	99,391	2,081	198	4,871	251	1,529	27,70\$	567,565	5,259	10,905	5,747	5,598	13,129	538	14
1953	5,054	6,434	844	12,332	109,260	2,414	24	5,784	1,216	2,210	28,904	671,642	6.410	9,874	5,749	16,077	23,727	613	255
1954	4,965	6,059	890	11,914	91,484	2,335	685	4,604	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816	563	2.5
1955	4,929	6,406	67.6	12,310	115,439	2.915	86	2,879	1,547	3,587	29,520	640,865	6,224	9,641	1,879	16,133	28,813	501	:
1956	4,693	5,761	547	11,001	98,084	3,046	163	2,619	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190	445	:
1957	4,471	4,776	282	9,529	93,065	1,822	09	1,253	657	4,092	30,059	443,153	5,325	13,551	1,105	19,440	17,981	260	:
1958	:	:	: ,	8,604	126,986	2,737	128	2.031	1,114	5,707	41,837	446,578	7,203	9,596	2.019	14 778	16,410	300	:
1959	:	:	:	7,826	101,984	2,091	302	1,858	1,891	4,091	37,185	337,936	5,754	4,200	572	11,330	11,626	495	:
1.96.1	:	:	:	8,657	91,844	2.585	82	1,188	3,487	5,624	38,100	320,287	4,746	10,580	389	9,255	12,472	296	:

***Wolverine includes Bear.

**Lynx includes Bob Cat.

"Management began in 1947.

18

BREEDING STOCK ON LICENSED FUR FARMS AT 1st JANUARY

1959		206	30,294	406
1958	57 186 120 150	40.5	119,299 130,294 119,299 130,294 8 2 7 6 8 89 47 7	513
1957	56 119 105 7 7 166 0	460 14,812 42,063 24,072 28,989	109,936 112 123 585 544 433 5	520
1956	81 1155 1108 108 6 6 239 9	20,841 40,368 21,125 19,387	101,721 12 12 81 62 43 5	542
1955	70 251 136 136 456	21,693 29,100 21,053 13,486	85,332 116 117 70 822 477	529
1954	68 1230 136 136 283 26	1,047 1,047 22,315 22,869 20,443 9,713	75,340 26 9 707 57	549
1953	56 294 159 159 760 50	1,321 27,727 16,926 17,710 7,797	70,160 15 10 10 54 264 68	631
1952	75 349 267 267 1,567	2,375 40,691 12,381 15,798 4,665	73,	769
1951	200 2449 559 559 111 2,813	4,260	73,034 22 21 21 35 99 46 6	914
1950	256 10 476 903 3,391 385	5,451	56 23 1253 1755 14	1,078
1949	385 111 565 1,549 5,016 931	8,480	71,139 26 11 35 55 55 55	1,382
1948	1,450 23,437 2,437 6,654 1,691	12,661	75,192 46 46 35 97 1	1,650
1947	1,276 36 378 3,133 9,400 9,400 3,184	17,501	72,992 45 45 45 127 127 2	1,735
	Fox Blue. Cross. Pearl Platinum. Platinum. Red. Standard Silver. White Marked.	Mink Standard and Dark Hall-Blood. Pastel. Silverblu. Other Mink.	Other Animals Beaver Fisher Lyux Marten Muskrat Raccoon Skunk	NO. OF FARMS

HUNTING AND ANGLING LICENCES SOLD IN YEARS ENDING 31st DECEMBER

1 20 1

	U	DEER HUNTING	940	Mod	Moose Hunting	52	SMALL GAME	CAME	BEAR & WOLF	TOTAL H	TOTAL HUNTING	ANGLING	ING
YEAR	Resident	Resident Non-Res.	Total	Resident Non-Res.	Non-Res.	Total	Resident	Non-Res.	Non-Res.	Resident	Non-Res.	Resident Non-R	Non-R
-		1			And the second second								
1044	28 654	285	41 039	875	653	1.528	92,847	1,949	181	132,376	5,168		89,2
1045	53.930	4.430	58.360	1,282	1,426	2,708	131,468	3,281	314	186,680	9,451	:	126,3
1946	62.913	7.877	70,790	1,694	1,230	2,924	155,309	4,666	783	219,916	14,556	:	171,4
1947	67.290	11.193	78,492	2,270	1,516	3,786	171,098	3,620	548	240,667	16,877	:	196'
000	73.700	11.300	85,000	3,000	1,700	4,700	186,060	3,200	1,600	262,760	17,800	3,730	224,8
1040	76.274	12.050	88.324	*	*	*	205,706	3,300	1,176	281,980	16,526	4,434	240,
1050	84.380	12.440	96.820	*	*	*	213,594	5,620	1,127	297,974	19,187	5,110	237,
1051	89.290	10.400	069.66	1,400	*	1,400	240,040	4,960	1,120	330,730	16,480	4,785	272,
1052	06.790	**870	97.660	3,620	*	3,620	268,444	5,400	3,060	368,854	9,330	4,695	287,
1953	92,785	8,300	101,085	5,196	637	5,833	256,341	3,810	2,490	354,322	15,237	4,712	308,
1954	92,800	10,400	103,200	7,500	730	8,230	284,000	5,300	1,520	384,300	17,950	6,400	366,
1955	105.150	8.050	113,200	000'6	066	066'6	318,000	6,010	1,750	432.150	16,800	6,450	377,
1956	98.079	7.426	105,505	13,441	1,521	14,962	316,778	5,905	2,031	428,298	16,883	12,624	376,
1057	106.620	6.743	113,363	17,367	1,890	19,257	341,838	6,092	2,703	465,825	17,428	15,806	397,
1958	109.322	6.044	115,366	22,688	2,362	25,050	377,589	5,503	4,803	509,599	18,712	18,678	380,
1959	102,960	5,988	109,948	26,349	3,431	29,780	378,666	6,243	4,089	507.073	19,751	22,005	349

,291 ,400 ,400 ,898 ,898 ,278 ,191 ,190 ,997 ,500 ,150 ,220 ,000 ,435 ,635 ,635

*Closed Season,

**U.S.A. Ban on importation of Cloven-Hoofed Animals.

PROSECUTIONS IN YEARS ENDING 31st MARCH

	SEIZURES	TRES	Public Sale	Total Sales	Convic	Cases	Cases		Collected	Collecte
Vear	Firearms	Total	Equipment	Redemptions	tions	missed	drawn	Total	Costs	Fines
1947	976	1,844	:	\$37,201.91	2,040	82	4	2,129	\$1,216.45	\$44,266.83
48	:	:	\$ 4,700.00		2,880	114	44	3,038	:	
49	1,292	2,015	15,514.84	16,742.15	2,302	106	193	2,601	1,452.50	46,947.0
50	1,434	2,697	7,053.27	17,222.31	2,704	102	140	2,946	1,746.25	45,807.70
1951	1,413	2,619	9,750.66	21,534.28	2,728	116	86	2,930	1,507.25	47,622.4
52	1,488	2,763	9,422.30	23,847.23	2,862	108	70	3,040	1,475.65	48,334.7
53	1,438	2,872		23,633.14	2,880	114	44	3,038	1,387.44	50,460.2
54	1,727	2,975		25,157.03	3,052	82	92	3,213	1,442.18	47,715.4
55	1,498	3,005	9,239.15	27,008.80	3,102	102	80	3,284	1,274.20	52,087.6
56	1,602	2,929	7,414.34	23.212.66	2,967	87	125	3,179	1,280.65	44,444.3
57	1,510	2,751	9,389.40	24,595.98	2,620	93	20	2,965	1,204.36	43,895.10
58	1,678	2,996	9,391.97	24,319.62	3,040	92	38	3,154	1,601.61	47,443.0
959	1,495	2,472	10,396.79	25,018.31	2,460	74	52	2,589	1,183.15	42.875,9
1960	1.324	2.290	9.235.90	20.612.25	2.198	80	40	2.318	1.185.50	45.135.0

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1959-60

District	Number of Licensed Preserves	Total Purchases	Number of Birds Released	Totals of Birds Removed by Hunters	Total Number of Hunters on Preserves	Stock on Hand as of March 31, 1960
Maple	1	3,637	6,218	4,326	1,086	:
Aylmer	6	1,676	2,813	1,528	495	1,801
Hespeler	9	7,513	7,470	6,749	355	173
Lindsay	2	:	558	268	67	335
Tweed	8	321	2,973	1,768	179	362
Parry Sound	1	:	614	419	104	110
TOTAL	22	13,147	20,646	15,058	2,286	2,781

ACTIVITIES OF COMMERCIAL PHEASANT FARMS-1959-60

District	Number of Licensed Farms	Sales of Dressed Birds	Sales of Eggs	Sales of Birds 7 weeks of Age and Under	Sale of Live Adult Birds	Balance on Hand as of March 31, 1960
Aylmer	21	2,084	9,568	3,577	3,086	2,056
Hespeler	38	3,060	232	7,027	2,302	1,324
Maple	32	9,382	4,090	3,222	2,678	925
Lindsay	90	236	395	552	581	271
Parry Sound	₩	499		909	24	110
Sudbury	8	293	:	:	450	230
Tweed	11	924	74	197	158	514
Kemptville	9	119	252	50	63	10
TOTAL	120	16,597	14,611	15,231	9,342	5,515

DISTRIBUTION OF HATCHERY FISH IN YEARS ENDING 31st DECEMBER (IN 000's)

DISTRIBUTION OF HATCHEAT FISH IN TERMS	N OF E	IAI CHE	A LASK	111							
SPECIES	*1949	*1950	*1951	*1952	1953	1954	1955	1956	1957	1958	1959
Black Bass, Large mouth. Fry. Fingerling. Yearling and Adult	550	550	826 145	544 97	330 328 1	720	282 343 4	360 122 1	190 129 3	46	445
Black Bass, Small mouth. Fry. Fingerling.	1,533	1,506 346 9	935 402 14	358 385 15	720 623 18	820 452 14	209 529 25	803 369 19	468 132 1	130 133 5	227
BLUEGILLS FingerlingAdult.	::	: :	: :	: :	::	: :	. 5	: :	: :	: :	
CHARR, French Alpine. Fingerling		:::		:::		:	: : :	21	: : :	. 64 r0	
CHARR, Pennsylvania. Fingerling	:	:	:	:	:	:	2	:	:	:	:
GRAYLING, Arctic. Vearling	:	:				:		:	:	:	26
Herring Eggs. Fry	8,400	5,100	8,100	1,100	3,600	2,717	3,400	350	1,840	: :	1,068
Maskinonge Fry Fingerling	2,750	3,350	2,360	3,750 62	2,740	3,550	3,712	3,610	2,430	2,940	4,070

DUANANICHE Fingerling	-	:	:	:	:	:	:	-	:	:	:
Vearling	:	:	:	24	:	:	:	:	11	:	:
Adult	:	:	:	:	:	2	-	:	:	:	:
Perch Fry	:	:	i	:	:	:	i	:	:	:	:
PICKEREL Eggs Fry Frigerling Adult	312,900	160,200	234,610	176,285	270,975	227,000 6,000	91,800	138,805	90,565	56,245	30,875
Salmon, Atlantic Fingerling	112	:	:	72	:	:	:	:	:	:	:
SALMON, Chum. Eggs. Fingerling.	: :	: :	: :	::	::	::	423 449	::	::	::	: :
SALMON, Pink. Eggs. Fingerling	::	::	::	::	: :	: :	: :	513	::	: :	::
Splake Fingerling Yearling Adult.	: : :	: : :	:::	: : :	25	. 17.	10		16	208	• 80 ent • 80 • ent
Frout, Aurora.	:	:	:	:	:	:	:	:	:	:	2
Trour, Brown Eggs. Fingerling Yearling Adult.	10 175 222	10 307 85	283	108	103	100	101 234	229	36 170	133	193

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SPECIES	*1949	*1950	*1951	*1952	1953	1954	1955	1956	1957	1958	1959
TROUT, Kamloops Eggs Fry Fry Fingerling Vearling Adult.	32			7.3	108			10	13	26 10 15 95 32	20 20 95
TROUT, Lake Eggs Fry Fry Fringerling Vearling Adult.	1,000 5,562 81	1,450 4,489 55	3,147	1,849	250 6,985 172	2,606	2,612 241	12 10 736 320	230	374 832	274
TROUT, Rainbow Fingerling	::	: :	10		25	* * *	* *	: :	::	::	
TROUT, Speckled Eggs Fry Fry Fingering Vearling Logal Size.	1,475 2,938 2	1,005	945 3,087 12	2,721	3,251	720 2,056	842 1,991 16	35 1,332 2,092 19	200 91 522 2,677	789 2,079 10	580 455 1,807
Whitefish Eggs. Fry.	245,150	235,200	235,200 121,185	200,400	186,700	42,665 139,210	67,165 102,950	51,178	13,435	30,940 47,515	1,000
TOTAL	583,369	416,946	378,080	92,2	479,069	430,780	286,267	212,410	180,704	142,682	89,880
*Figures for 1947-1952 Compiled on Fiscal Vear Basis.	ompiled o	n Fiscal	Year Bas		Rainbow	**Rainbow Trout Included in Kamloops Trout Plantings.	uded in F	amloops	Trout Pl	antings.	

PRODUCTION OF PROVINCIAL FISH HATCHERIES IN 1959

HATCHERY	Speckled Trout	Lake	Kamloops	Brown	Largemouth Bass	Largemouth Smallmouth Bass Bass	Maskinonge	Whitefish	Pickerel	Splake
Chatsworth TRS. Codrington TRS. Deer Lake.	111,200V 24,870V 15,000V 195,200Fg 580,000E	27,200Y 10,000Y 256,590V	5,000Fg 27,000Y 80Y	102,300Y 26,640Y		4,070,000F	4,070,000F			
Ifill Lake TRS.	816.N 15.875Y 5,800Fg 235,490N 50,401T	40,400Y	14,517F 5,066Y							
Kenora Kungsalle Little Current Midbarst Ponds Mourt Pleasunt	5.189.A 50,000Pg 59,900Y 40,450 Y	23,100Fg		10,355Y	144.V	255.1	44,985,0001	44,985,000F	24,000,03318 8,812,50018 5,875,0001E	:::
Normandale	34,0257		20,000E	3,500 Y		25,250Fg				
North Bay TRS. Pembroke TRS. Sandheld	146,000Y 204,585Y 222,700N	30,000X 108,000Fg	2,000Y 8,000Y			89,000F				
Sault Ste. Marie	204,160F 244,200N	220,000 V	1,030 \	:		168.7	:			22,077Y 112,970V 1,204.A
Skeleton Lake	162,160Y 25,000T	15,200Y	25,500Y			38,250Fg 106A		:	1,000,000.1	
Westport Ponds. White Lake Ponds.	5,000Y 285,500Y	8,600Y 26,000Y 40,000Y 143,300Fg	3,360Y 23,000Y	S0,000 X	14,500Fg 45,000F 32,000Fg	12,950Fg 61,750Fg		1,000,000E	3,040,000F	

Other species: 26,500 Arctic Grayling yearlings at Dorion: 2,314 Aurora Trout fingerlings at Hill Lake; 1,067,750 Herring eggs at White Lake. TRS-Trout Rearing Station; E-Egg; F-Fry; Fg-Fingerling; V-Yearling; T-2-year old; A-Adult,

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

SPECIES	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Bass, Rock; Crappies	:	:	:	80	85	99	61	63	67	81	92
Bass, White	:	:	:	1,442	2.197	6.202	4.589	5 705	3 580	1 850	1 444
Bullheads	601	601	610	815	865	837	824	843	762	635	480
Carp	646	806	793	1,130	1,384	1,428	1.318	1.906	1.508	1 350	1,510
Cathsh	301	294	284	370	295	332	285	299	272	330	310
Caviar	2	-	2	2	2	2	33	2		8	-
Chub, Lullibee	438	400	438	489	845	920	988	923	796	1 260	1 576
Cels	48	30	50	99	09	80	71	55	103	133	140
Gold Eyes.	50	84	114	102	34	87	9	84	31	22	15
Herring; Ciscoe	2,137	1,572	1,428	1,598	1,149	1,375	936	1.142	1.996	1.917	2.947
Ling	:	:	:	247	458	426	506	451	354	484	432
Menominee, Filots			:	21	11	13	18	20	23	26	24
Ferch	2,698	2,710	3,375	2,738	4.629	8.203	5.181	11.843	12.068	16 200	10 068
Pickerel, Blue	9,831	8,665	4,102	7,447	10,399	8,210	12,070	12,019	6.398	23.3	50
Fickerel, Yellow	3,235	3,510	4,025	4,760	4,650	5,196	6.883	11,673	10,609	7 825	4 653
Fike, Northern	1,027	875	1,005	1,056	964	1,148	913	904	014	1,017	003
Saugers	191	343	639	362	250	212	168	133	10.3	174	112
Sheepshead	:	:	:	1,121	849	853	840	774	840	1.817	1.410
Smelt	- 1		:	662	1,326	1,550	2,328	4.016	4.666	4.967	7,050
rurgeon	184	168	164	183	193	172	160	138	174	243	179
Suckers	:	:	:	1,485	1,568	1,485	1,395	1,394	1.317	1.509	1.410
Junush.	- 1			285	469	376	370	416	375	276	225
Irout, Lake	1,892	2,044	1,975	2,181	1,862	1.562	1.190	641	408	623	522
whitensh	7,063	6,589	7,180	9,426	10,214	6.844	4.452	4.049	3 226	3 278	3 183
Miscellaneous	3,717	4.064	4,787	65	83	101	83	132	413	212	227
TOTAL	34,061	32,756	30,972	38,044	44,839	47,679	45,636	59,717	51,113	47,172	48,992
TOTAL VALUE (000's \$).	5,497	6,252	7,044	7,417	7,037	7,013	6,783	7,928	7.047	7.274	4.866

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

Value \$'000	2,644 2,574 2,565	2,226 2,147 3,372 4,704 4,389	6,484 5,597 5,735 5,497	6,252 7,044 7,417 7,037 7,013	6,783 7,928 7,047 7,274 4,866
Total	34,255 36,093 34,914 33,850	27,967 26,950 26,381 30,595 30,041	34,278 33,000 24,922 28,942 34,061	32,756 30,972 38,044 44,839 47,679	45,636 59,717 51,113 47,172 48,992
Southern Inland	925 754 717 655	517 517 546 618 482	606 679 448 735 607	555 707 678 827 712	615 593 493 544 432
Northern Inland	4,883 4,598 4,883	4,734 4,504 4,570 4,961 4,964	5,040 4,719 4,802 4,629 5,254	5,229 5,728 6,221 6,080 6,080	5,627 5,878 5,764 7,316
Lake Superior	4,899 4,509 4,057 3,307	3,319 3,436 3,362 3,347 3,761	3,812 3,589 2,830 3,371 3,188	2,655 2,851 3,127 2,771 2,890	2,540 2,145 2,797 2,871 3,850
North Channel	1,417 1,307 1,194 960	792 542 535 572 487	434 290 267 445 550	668 548 433 458 395	244 187 191 255 171
Georgian Bay	2,862 3,079 3,082 2,989	2,659 2,734 2,163 2,010 1,545	1,524 1,292 666 913 1,563	2,794 3,720 5,359 6,876 4,292	2,298 1,113 664 407 225
Lake	3,511 3,189 3,009 2,496	2,211 2,148 2,081 1,836 1,460	1,071 954 1,107 1,440 1,260	1,301 1,474 1,736 1,396 1,463	1,262 1,463 988 2,023 2,203
Lake St. Clair	650 766 669 784	835 992 598 487 449	503 493 466 437 540	469 389 792 983 1,021	822 1,029 1,113 907 845
Lake Erie	11,954 14,665 14,502 14,264	9,768 8,951 10,038 14,483 15,256	18,950 18,925 12,334 14,926 19,093	16,866 13,114 17,417 23,389 28,912	30,285 44,682 37,105 30,751 31,597
Lake Ontario	3,154 3,377 3,086 3,512	3,040 3,126 2,488 2,281 2,637	2,338 2,005 2,002 2,046 2,006	2,219 2,411 2,281 2,059 1,914	1,943 2,627 1,997 2,098 2,051
Vear	1936 1937 1938	1940	1945 1946 1947 1949	1950 1951 1953 1953	1955 1956 1957

COMMERCIAL FISHING EQUIPMENT IN YEARS ENDING 31st DECEMBER

	Total Value	\$4 763 778				6,678,891	6,985,465	8.327,779	8,838,656	9,176,180	9,226,538	8,891,463	8,676,011	9,215,473	10 556 610
	Net			:	:	:		727	827	778	759	754	709	727	188
	Wharves and Piers	437	400	412	395	425	416	474	487	456	447	437	404	425	161
Ş	Freezers & Ice Houses	525	486	477	456	477	476	462	493	482	442	426	412	191	564
	Seine	121	66	9.5	110	112	105	100	101	116	134	84	91	8	111
S	Ноор	1.288	1,240	1,324	1,411	1,439	1,483	1,564	1,570	1,578	1,545	1,487	1,462	1,441	1.812
OF NE	Trap*		:	:	:	:	:	359	549	604	822	763	804	731	739
AMOUNT OF NETS	Pound	1,079	1,135	1,152	1,182	1,214	1,204	1,127	1,078	878	787	784	671	7.13	7.23
	Gill (Yds.) Pound Trap* Hoop	9,090,199	8,853,717	8,980,784	9,143,558	9,064,269	8,943,785	9,056,782	9,312,308	9,247,586	9,303,838	8,718,920	8,617,596	8,898,006	9,717,742
FISHING BOATS	Under 40 ft.	2,205	2,009	1,930	2,039	1,966	1,981	1,682	1,538	1,407	1,338	1,320	1,321	1.270	1,680
FISE Bo,	40 ft. & Under Over 40 ft.	107	112	111	123	116	126	196	215	214	224	202	211	212	234
,	of 4 Men	4,244	4,026	3,736	3,930	3,886	3,833	3,878	3,807	3,657	3,483	3,135	3,066	3,224	3,527
RCIAL	Total		2,421	:	2,675	2,722	2,894	3,115			3,379		3,684	4,020	4,170
COMMERCIAL	Gill	:	:	:	_			1,124	1,098	1,045	1,066	1,032			1.117
	Year	1946	1947	1948	1940	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959.

*Trap Nets included with Pound Nets, 1946-1951.

FOREST PROTECTION BRANCH

The late Aubrey White, former Deputy Minister, may be regarded as the originator of forest protection as we know it.

His extensive report of March 30/85 on the emergency induced by increasing forest fire losses brought about government recognition of the necessity of immediate organized activity to meet the situation.

In the annual report for the following year Mr. White stated, "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees the net expense to the Province was under \$4,000". Mr White asked for \$8,000 for his new budget.

What had been accomplished received enthusiastic approval and laid the foundations of the fine organization which functions so well today.

Year by year the area under protection extended and so did the cost and so did the beneficial results.

The following are features:

The first legislation concerned with forest protection, "An Act to Preserve the Forests from Destruction by Fire", was placed in the statutes in 1878. In 1886 legislation which allowed sharing of fire ranging costs by the Province and licensee on licensed lands was enacted, to be supplemented by placing fire rangers on unlicensed Crown lands at public expense in 1897. This was further revised in 1910 when license holders were required to assume the full costs of fire ranging on licensed areas.

1911-16-HISTORIC FIRES

In 1911 the Porcupine fire occurred, burning over 864 square miles, causing \$3,000,000.00 property damage. This fire took 73 lives. Five years later, in 1916, the Matheson fire killed 223 persons, burned over 1,000 square miles and caused \$2,000,000.00 property damage.

1917-New Act

The "Forest Fires Prevention Act" of 1917, the forerunner of our present legislation established the permit system of controlling settlers' fires. The principle of the annual, per acre, protection charge on licensed lands

FOREST PROTECTION BRANCH

Chief: T. E. MACKEY

Assistant Chief: J. M. WHALEN

Forest Protection Section Supervisor: W. T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records Statistics
Clerical and Stenographic Staff

Air Service Section

Supervisor: G. E. Ponsford (Sault Ste. Marie)

Procurement, Operation and Maintenance of fleet of 45 aircraft Supervisory Personnel Pilots Engineers Clerical and Stenographic Staff (fire tax) was established under The Crown Timber Act in that year. This same year witnessed the appearance of motor-powered portable pumps in the Ontario protection service. In contrast with the 7 pumps purchased in 1917 there are now more than 1,000 units, many of the very latest design, in use.

1922—HAILEYBURY FIRE

The Haileybury fire of 1922 took 44 lives and caused \$6,000,000.00 property damage while burning over 2,000 square miles.

1924—AIR SERVICE

The year 1924 is noteworthy in that it marks the formation of the Provincial Air Service. The fourteen HS2L flying boats purchased in that year have been replaced by a series of other aircraft.

1927—RADIO SERVICE STARTED

Radio communication was first used by the Ontario protection service in the Red Lake Division of the Hudson Inspectorate in North-western Ontario. This was in the year 1927. In 1935 V.H.F. tower radio equipment went into service followed by aircraft radio equipment in 1939.

1938-FORT FRANCES FIRES

In 1938 there were 17 deaths as a result of fires in the Fort Frances District.

1941—This year saw Protection created as Division of the Department instead of a Branch as formerly.

1946—This year 1946 witnessed the initiation of the province-wide area-seen survey in connection with the tower detection system. The Forest Insect Laboratory at Sault Ste. Marie was completed in that year.

1948—New Fire Act

The Forest Fires Prevention Act was rewritten to its present form in 1948; only minor amendments have been added since that time. This was the year of the Mississagi fire with the subsequent salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

1949—Province-wide Radio Network Completed

The province-wide radio network, with the "key" station at Maple was completed in 1949.

1952—Flying Suppression Crews

In 1952 suppression crews were being carried on routine aerial detection patrols, and the year 1953 was marked by the use of helicopters, throughout the Fire Season, for the first time.

1953—Forest Pathology Laboratory

The Laboratory of Forest Pathology at the Southern Research Station, Maple, was completed in 1953.

1955—BAD FIRE YEAR

A very heavy and sustained fire-load was experienced in 1955. Suppression action featured mobility of resources, the use of water-bombing and cargo-dropping techniques, and the teamwork of the helicopters and the Beaver aircraft. The value of the larger, transport type, helicopter was well demonstrated during the critical period when, through the courtesy of the R.C.A.F., a Sikorski and a Piasecki were made available to the protection service.

Forest Protection and Air Service Divisions were consolidated as Branches of Forest Protection Division, re-named Branch in 1959 at which time Branches were re-named Sections.

T. E. Mackey was appointed Chief on November 1st, 1946.

AIR SERVICE SECTION

The use of aircraft owned by the Provincial Government in forest protection began in 1924 with the purchase of 15 H.S.2.L. flying boats and during that year 2,500 hours were flown. At that time the flying service was a part of the forest protection organization and Capt. W. Roy Maxwell previously with Laurentide Air Service was appointed its first director.

The installation of bases at strategic points through the forest area followed and this was accompanied by fuel caches appropriately located.

From time to time additions were made to the fleet including a Loening and a Vickers Vedette and as the older types became obsolete newer and more suitable types were obtained. These included the Moth, Stinson, Fairchild Hamilton, DeHavilland and Norseman.

In 1934 Capt. Maxwell was succeeded as Director by Mr. Geo. Ponsford who had a wide experience in both war and peacetime aircraft.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Departmental requirements. Their success in Ontario has led to their establishment in many parts of the world.

One Beaver, CF-ODN, was sold to Nova Scotia H.E.P.C. in 1956 and four Beavers have been written off: CF-OCF at Geraldton in 1950, CF-OCM at Temagami in 1951, CF-OCI at Dryden in 1952, and CF-OCW at Lauzon Lake in 1953. In 1959, one Beaver was sold and one was lost in an accident at Ear Falls. A total of 25 aircraft has been written off. The last of nineteen flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, reached fruition in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with these tanks which have proved to be very valuable in fire-fighting operations.

NUMBER OF ACRES BURNED OVER

YEAR	Crown	Private	Total	Number of Fires	AVERAGE ACREAGE
1925	132,481	57,062	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	189
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	. 198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	-107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	45,510	966	47
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904 ·	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	. 881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	. 5
1960*	29,191	2,195	31,386	956	. 33

^{*}Preliminary Report to Dec. 1st, 1960.

1960 FOREST FIRES (Preliminary Report)

District	ACRES BURNED	Number of Fires	Average Acreage
Chapleau	30	15	2
Cochrane	485	16	301/2
Fort Frances	1,231	81	15
Geraldton	5,772	73	79
Gogama	9	11	1
Kapuskasing	474	17	28
Kenora	1,657	103	16
Lake Huron		1	
Lake Simcoe	3	9	1/2
Lindsay	136	49	3
North Bay	12	18	1/2
Parry Sound	70	80	1
Pembroke	62	54	1
Port Arthur	450	77	6
Sault Ste. Marie	18	28	1/2
Sioux Lookout	20,303	148	137
Sudbury	65	53	1
Swastika	69	4	15
Tweed	521	89	6
White River	19	30	1/2
Months			
April	119	21	6
May	2,361	145	16
June	387	79	5
July	27,515	326	84
August	275	190	1
September	119	87	1
October	480	90	5
November	130	18	7
Total	31,386	956	33

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

ORIGIN	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960*
Settlers	80	75	147	152	107	7.4	112	92	42	148	40	125	123	52	10
Campers	481	298	4.32	451	256	191	315	388	221	390	196	379	325	323	265
Smokers	383	248	461	340	258	173	214	279	147	298	145	342	371	159	110
Railways	249	180	333	138	66	139	131	188	82	189	122	176	140	67	OF
Road Construction	2.1	30	46	85	47	28	26	13	11	13	34	73	63	12	1.8
Logging	68	56	52	52	29	30	31	24	13	53	22	39	17	25	20
Mining	11	9	9	9	3	12	ιΩ	2	3	11	9	7	1	2	2
Prospectors	2	2	2	9	1	:	:	4	2	11	00	3	 -(. 4	1
Incendiary	31	15	35	32	16	16	13	19	25	31	00	26	43	. 13	12
Miscellaneous	68	31	31	94	89	74	108	143	7.4	148	123	194	229	116	97
Unknown	42	42	6	10	00	80	10	14	6	32	2	32	17	14	11
Lightning	303	410	433	468	93	151	130	357	252	928	30.2	275	219	242	310
Total	1,739	1,393	2,036	1,834	985	904	1,095	1,520	881	2,252	1,017	1,671	1,558	1,027	956
Man Caused-Total	1,436	983	1,603	1,366	892	753	965	1,163	670	1,324	715	1,396	1.339	785	040
Percentage	83	71	79	74	91	83	88	77	71	59	70	84	86	5. 76	68
Prosecutions				. :		:			:		. 62	55	71	38	30
Convictions	:		:							:	56	41	62	35	29
*Preliminary Report to Dec. 1st 1960	Jec. 1st	1960													

MEANS OF DETECTION	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1059	1960°
Towers	615	424	573	630	352	310	344	528	353	891	262	575	581	414	304
Aircraft	197	264	411	337	117	122	139	216	126	395	189	202	121	91	158
Rangers	260	158	241	168	93	72	82	122	46	102	57	141	87	99	89
Public	667	547	800	669	423	400	530	654	356	864	500	753	769	458	431
Size	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960%
	400	0.1	1	I:	0,76	230	20.1	000	5	910	205	η τ Π	400	170	111
30076	784	412	804	7	426	383	516	719	392	1.004	456	741	753	434	400
5-10 acres.	129	16.	155	122	92	45	65	102	36	120	46	120	108	59	51
19-100 acres	233	177	285	242	155	115	103	146	s s	188	99	187	178	56	61
100-500 acres	78	50	74	19	43	21	16	33	6	52	26	37	20	6	23
500-1,000 acres	13	12	24	16		ιŋ	3	7	2	16	4	7	4	7	4
1,000-10,000 acres	12	19	24	7	9	4	7	13	S	18	21	3	ıΩ	:	9
Over 10,000 acres	:	:	6	-	:	2	:	:	2	00	3	1	:	:	:
AVERAGE SIZE (Acres)	44	09	200	33	37	112	11	39	62	176	222	28	24	10	33

*Preliminary Report to Dec. 1st, 1960.

ESTIMATED FIRE DAMAGE (In Years Ending 31st December)

	TIMB (000)	FIMBER DAMAGE (000's Cu. Ft.)	AGE		TIMB (Crown	TIMBER DAMAGE (Crown Dues, Only)	GE nly)	DAMAGE	DAMAGE TO REPRODUCTION*	UCTION*	TOTAL	PRIVATE PROPERTY
YEAR	Crown	Private Total	Total	0	rown	Crown Private	Total	Crown	Private	Total	DAMAGE	DAMAGE
1950.	1,624	1,937	3,561	49	\$ 16,244	\$19,365	\$19,365 \$ 35,609	\$ 8,611	\$10,927	69-	\$ 55,148	\$103,682
1951	29,401	188	29,590	77	294,015	1,880	295,895	92,431	1,121	93,552	389,447	56,389
1952	1,401	577	1,978		14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	(1)	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	4	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,6	2,671,857	5,870	5,870 2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,8	2,868,133	2,118	2,118 2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	4	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186		173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	089	42	722		13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960**	21,291	102	21,393		304,437	2,028	306,465	8,175	1,370	9,545	316,010	68,737

FOREST PROTECTION PERMITS

	FIRE	Work F	PERMITS	TRAVEL	PERMITS
YEAR	PERMITS	Permits	Men	Permits	Persons
1925	11,962				
1926	13,466				
1927	13,593			6.548	15,669
1928	13,611			15,406	42,566
1929	14,038			20,738	51,443
1930	15,094			36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988			9,774	28,606
1936	18,964			8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,939	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510

REPORT OF MAJOR EQUIPMENT (As of March 31st, 1960)

Snov			, -
Veloci- pe les			2
Motor Cars	00 41-00		7
Trac-	33374888		187
Trail- ers	111 120 120 120 120 120 120 120 120 120		263
Trucks and Autos	2,000 2,000 3,000 2,000		900
Barges and Scows		:::::: : :	9
In- board Boats		:::::::::::::::::::::::::::::::::::::::	7
Outboard Boats Motors	26222222222222222222222222222222222222	477	800
Outb		# : : : : · · · · · · · · · ·	29
Canoes	. 40 80 80 80 80 80 80 80 80 80 80 80 80 80		27
Binocu- lars	08000100000000000000000000000000000000		56
Blan- kets	1,709 1,832 2,962 2,962 2,962 1,738	294 584 140 1,000 465 938 938	30,540
Eider- downs	28888888888888888888888888888888888888		262
Tents	55 126 67 10 67 10 10 10 11 13 13 13 13 13 13 13 13 13 13 13 13	50 71 71 60 60 60 74 75	2,391
(000's ft.) Fire Hose	233. 233. 234. 234. 234. 253. 253. 254. 254. 254. 254. 254. 254. 254. 254	205 70 96 80 80 1 1 12 .500	3,712
	223224242424242442424424242424242424242	511 132 146 230 	8,341
Portable Pumps Power Hand	4,00 4,00 4,00 4,00 4,00 4,00 4,00 4,00	48 33 33 34 50 50 50 70 70 70 70 70 70 70 70 70 70 70 70 70	h) 12 1,271
DISTRICTS REGIONS AND OTHERS	Chapteau Chapteau Fort Frances Fort Frances Goganal Go	Central. South-Central. Mid-Western Northern Western Reager School. Air Service	(including Research) Toral

MAJOR EQUIPMENT (AS OF 31st MARCH)

8.371 3.712 3.712	2,391 1,739 30,540	030	サオミサ 10.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	9	263 184	42 20	13	1,294
1,255 1,306 8,712 8,336 3,890 3,551	2,483 2,301 1,671 1,739 29,024 30,540	647	1,005 519 785 48	7	918 249 186	44	10	899 1,047 1,140 1,294
1,255 8,712 3,890	1,272 1,267 1,321 1,558 1,611 1,567 1,698 1,841 2,030 1,997 2,376 2,409 2,438 20,911 22,302 24,928 25,670 24,840 24,104 24,816 27,966 30,314 32,668 31,582 29,288 29,505 2	615	1,052 493 800 59	9	861 205 312	44	14	1,047
1,097 1,218 1,215 6,362 7,007 7,899 2,714 3,319 3,312	2,469 1,538 29,288	609	1.073 459 771 60	4	751 166 134	46	10	
1,218 7,907 3,319	2,376 1,506 31,582	642	1,087 434 771 64	:	786 141 121	47	00	825
1,097 6,362 2,714	1,997	22.0	1,114 418 752 55	:	715	45.	7	801
976 1,029 1,062 6,154 6,206 6,406 2,266 2,743 2,826	2,030	12	1,061 379 690 61	:	730	49.	:	397 613 686
1,029 6,206 2,743	1,841	556	1,142 373 648 63	:	666	50	:	613
976 6,154 2,266	1,698	445	1,084 278 552 552 63	:	491	44	:	397
896 5,717 2,144	1,567	382	1,003 231 501 57	:	318 400	44	:	347
838 4,622 2,148	1,611	369		:	318	35	:	310
795 4,309 2,110	1,558	325	1,041 1,051 438 476 61 60	:	279	47	:	285
729 4,141 1,922	1,321	229	1,044	:	201	61	:	279
710 3,656 1,838	1,267	167	977	:	140	73	:	252
3,556 1,752	1,272	259	986 247 47	:	130	49	:	245
Portable Power Pumps Portable Hand Pumps Hose (000's Feet)	Tents. Biderdowns. Blankets.	Binoculars	Canoes	Barges and Scows	Trucks and Autos	Railway Motor Cars	Snowmobiles	Radio Sets, Stations

MAJOR IMPROVEMENTS (COMPLETED AS OF 31st MARCH)

	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
				1 2	1		i i	100	002	400	1 1	512	7.47	267	212
Cabins	538	547	561	537	514		222	272	202	407	116	215	140	00	2 2
Storehouses	144	152	150	149	150		135	138	143	144	146	189	195	199	198
Boathouses	59	09	61	56	63		67	72	74	82	83	85	80	19	79
Store and Boat Houses	27	27	14	17	15	18	18	24	17	24	26	24	24	25	36
Runkhouses	63	62	64	57	09	28	09	89	64	65	80	95	102	89	63
Offices	32	36	36	39	46	54	52	52	61	61	62	72	82	11	96
Carages Carbonages	2000	80	92	66	93	106	104	114	139	182	208	247	238	236	178
Other Buildings	213	213	220	269	232	266	280	325	309	391	365	451	532	603	573
Hose Towers	53	63	51	62	58	40	41	51	33				36		20
Wooden Towers	63	52	56	52	39	36	32	32	20	19	18	16	6	9	~
Steel Towers	227	227	234	230	231	271	281	279	279		288	292	302	308	31.5
Telephone Lines (miles)	4,455	4,455 3,740	3,956	6 3,769 3	9 3,775 3	,651	3,567	3,420	3,061	2,810	2,669	2,216	2,316	1,284	1,054

AIR SERVICE BASE OPENING DATES (or First Float Flying)

19	26 A 27 A 27 A	10 N N N N N N N N N N N N N N N N N N N	8 - N D P	10 A 20 A
1944	3 May 19 May 7 May 15 May 14 May	19 May 20 May 17 May 23 May	8 May 16 May 17 May	27 April 15 May 8 May 8 May 18 May
1943	8 May 5 June 17 May 12 May	18 May 12 May 18 May 28 May	11 May 11 May 22 May 21 May	10 May 17 May 7 May 18 May 19 May
. 1942	20 April 5 May 27 April 29 April	29 April 29 April 1 May 8 July	4 May 29 April 4 May 5 May	24 April 29 April 29 April 29 April 5 May
1941	21 April 10 May 2 May 2 May	1 May 30 April 13 May 12 May	1 May 14 May 1 May 10 May 17 May	1 May 30 April 3 May 12 May
1940	5 May 19 May 7 May 15 May	18 May 15 May 22 May 28 May	9 May 24 May 9 May 23 May 29 May	2 May 4 May 7 May 23 May
1939	7 May 15 May 12 May 11 May	12 May 9 May 16 May 19 May	14 May 29 May 12 May 13 May 22 May	28 April 11 May 5 May 13 May 18 May
1938	6 May 24 May 2 May 11 May	14 May 12 May 9 May 14 May	18 May 14 May 16 May 16 May	21 Aprill 5 May 30 Aprill 3 May 16 May
1937	3 May 17 May 8 May 13 May	25 May 17 May 15 May 7 May 10 May	27 May 27 April 14 May	13 May 4 May 18 May
1936	4 May 24 May 14 May 19 May	19 May19 May18 May24 May24 May	28 May 15 May 1 June	1 April 18 May 8 May 1 June
1935	1 May 21 May 14 May 3 May	17 May 15 May 10 May 20 May 23 May	3 May 23 May	2 May 16 May 2 May 21 Moy 16 May
1934	4 May 25 May 14 May 15 May	20 May 16 May 11 May 19 May 26 May	12 May 25 May	24 April 16 May 8 May 26 May 19 May
1933	29 April 27 May 15 May	16 May 3 July 10 May 16 May 10 June	6 May	21 April 10 May 3 May 14 May 15 May
BASE	Mgonquin Park Caribou Lake Biscotasing Fort Frances	Goose Island	Pays Plat	Sant Ste, Marie sioux Lookout sudury Femagam Twin Lakes

AIR SERVICE BASE OPENING DATES (or First Float Flying)-Cont'd

April May May April

195	23 A A S A A A A A A A A A A A A A A A A	2000 4 8 4 8 4 8 4 8	45754 45754	21 * * * * * * * * * * * * * * * * * * *	200-01	\$248EU	
1957	25 April 7 May 13 May 3 May	6 May 7 May 1 May 6 May	10 May 6 May 29 April 9 May	13 May 28 April 6 May 13 May 29 April	9 May 6 May 29 April 10 May 6 May	1 May 3 May 28 April 10 May 10 May	
1956	11 May 27 May 1 June 14 May	16 May 17 May 14 May 16 May 16 May	22 May 17 May 7 May 16 May	1 June 3 May 15 May 1 June 30 April	19 May 3 May 19 May 15 May	9 May 17 May 17 June 21 May	t Arthur
1955	21 April 30 April 1 May 22 April	28 April 27 April 22 April 28 April	26 April 27 April 19 April 28 April	1 May 18 April 4 May 6 May 22 April	28 April 29 April 19 April 27 April 27 April	19 April 26 April 6 May 29 April	**Moved to Port Arthur
1954	29 April 18 May 27 May 4 May	17 May 13 May 18 May 3 May 18 May	9 May 18 May 28 April 15 May	21 May 20 April 11 May 2 June 7 May	21 May 19 May 13 April 20 May 5 May	29 April 4 May 22 May 18 May	**W
1953	21 April 15 May 14 May 8 May	29 April 4 May 7 May 29 April 5 May	7 May 7 May 18 April 10 May	8 May 30 Mar. 6 May 13 May 30 April	8 May 13 May 27 Mar. 7 May 5 May	20 April 28 April 13 May 11 May	
1952	24 April 10 May 7 May 8 May	30 April 1 May 5 May 23 April 1 May	2 May 1 May 8 May	23 April 2 May 7 May 22 April	3 May 7 April 3 May 1 May	28 April 1 May 16 May	Lake
1951	29 April 21 May 30 April	10 May 7 May 9 May 24 April 9 May	10 May 10 May 8 May	16 May 17 April 8 May 17 May 2 May	15 May 3 May 9 April 12 May 30 April	25 April 1 May 1 May	Moved to Nym Lake
1950	17 May 1 June 16 May 20 May	20 May 24 May 20 May 8 May 22 May	22 May 8 May	23 May 27 April 18 May 3 June 19 May	29 May 23 May 6 April 27 May 19 May	12 April 15 May 30 May	*Move
1949	2 April 9 May 10 May 7 May	1 May 30 April 4 May 30 April 3 May	3 May 10 May	12 May 13 April 7 May 9 May 30 April	3 May 7 April 1 May 3 May	25 April 20 April 14 May	
1948	19 April 19 May 8 May 28 April	8 May 11 May 14 May 27 April 10 May	8 May 5 May	18 May 8 May 18 May 3 May	13 May 10 May 14 April 12 May 1 May	27 April 27 April 14 May	
1947	8 May 3 June 17 May	16 May 20 May 14 May 20 May	20 May 27 May	12 June 6 May 14 May 2 June 16 May	26 May 2 June 30 April 20 May 27 May	14 May 17 May 8 June	
1946	30 April 23 May 22 April	27 April 7 May	14 May 7 May	7 May 30 April 26 May 30 April	7 May 15 May 11 April 3 May 3 May	13 April 23 April 22 May	
BASE	Algonquin Park Carey Lake Caribou Lake Chapleau Biscotasing.	Isva Lake Fort Frances Geraldton Gogama	Kenogami. Kenora. Lauzon Lake. Nym Lake. Oba Lake.	Orient Bay. Parry Sound. Pays Plat. Pickle Lake.	Red Lake	Sudbury Temagami. Tweed. Twin Lakes.	

AIR SERVICE BASE OPENING DATES

(or First Float Flying)—Cont'd

BASE	1959	1960
Algonquin Park	5 May	2 May
Carey Lake	12 May	23 May
Caribou Lake	15 May	22 May
Chapleau	4 May	11 May
Fort Frances	28 April	4 May
Geraldton	10 May	18 May
Gogama	6 May	5 May
Ignace	8 May	12 May
Kenogami	12 May	18 May
Kenora	30 April	12 May
Lauzon Lake	20 April	2 May
Nym Lake	8 May	12 May
Oba Lake	11 May	23 May
Parry Sound	27 April	27 April
Pays Plat	8 May	12 May
Pickle Lake	15 May	20 May
Port Arthur	24 April	13 May
Red Lake	14 May	16 May
Remi Lake	12 May	19 May
Sault Ste. Marie	8 April	11 April
Sioux Lookout	14 May	16 May
South Porcupine	8 May	16 May
Sudbury	1 May	4 May
Temagami	8 May	11 May
Tweed	27 April	28 April
Twin Lakes	15 May	25 May
White River	12 May	20 May

TORONTO: Year round.

FLYING TIME—PILOTS

SURNAME	Initials	1924-59	1959-60	TOTAL
Allen	DW	1.941:50	278:40	2,220:30
Ballantyne	DE	936:40	314:40	1,251:20
Beaushene	DG	2,449:40	239:10	2,688:50
Bieck	AH	284:00	307:00	591:00
Buckworth	WB	3,019:15		3,019:15
Burtt	ΛE	6,899:10	425:40	7,324:50
Calver	DRH	2,117:25	373:55	2,491:20
Campbell	GE	3,321:25	511:15	3,832:40
Colfer	AP	4,439:55	714:25	5,154:20
Cooke	TC	5,393:05	360:15	5,753:20
Cram	WW	293:55	360:30	654:25
Croft	BR	421:30	330:25	751:55
Croal	DM	319:50	323:30	643:20
Denley	JG	6,530:00	321:35	6,851:35
Evans	FB	3,502:20	268:10	3,770:30
Fiskar	UW	2,760:50	360:35	3,121:25
Glennie	NA	1,359:45	414:00	1,773:45
Hoar	HA	2,447:55	145:45	2,593:40
Hoeberg	PS	2,146:25	363:40	2,510:05
Hugill	WA	1,630:10	263:10	1,893:20
Kincaid	J	6,229:40	399:40	6,629;20
Kirk	CJ	3,730:10	364:25	4,094:35
Lamont	JA	2,806:25	315:40	3,122:05
LeFeuvre	CJ	7,872:25	426:40	8,299:05
Lowe	В	716:45	303:15	1,020:00
MacDougall.	FA	4,898:15	78:05	4,976:20
North	DH	268:45	267:50	536:35
Parsons	R	6,755:30	192:00	6,947:30
Ponsford	GE	1,411:10	69:45	1,480:55
Poulin	LD	7,341:15	222:25	7,563:40
Reid	DM	3,722:00	124:00	3,846:00
Siegel	J	4,275:05	195:10	4,470:15
Speight	HC	6,103:45	522:20	6,626:05
Stone	RWE	4,834:30	425:20	5,286:50
Smith	AB	6,454:55	282:00	6,736:55
Stewart	AL	1,154:55	191:40	1,346:35
Taylor	JM	3,358:50	37:05	3,395:55
Thomas	E	2,811:25	212:40	3,024:05
Thompson	FJ	1,949:10	183:55	2,133:05
Trussler	GE	6,760:00	214:15	6,974:15
Turcotte	LG	456:25	242:50	699:15
Other Pilots		168,654:25	9:40	168,664:05
		304,780:50	11,984:00	316,764:50

AIRCRAFT SERVICE RECORD

46 Aircraft	Year Purchased	Effective Load (tons) 1959-60	FLYING 1959-60	Hours 1924-60
39 Beaver				
CF-OBS	1948	22	113:05	4,428:05
CF-OBT	1948	8	50:45	3,742:30
CF-OBU	1948	182	413:10	3,751:40
CF-OBV	1948	28	144:50	3,880:15
CF-OBW	1948	123	294:55	3,438:55
CF-OBX	1948	85	253:15	4,020:25
CF-OBY	1948	88	180:10	3,635:45
CF-OBZ	1948	81	273:50	3,766:55
CF-OCA	1948	69	264:30	3,279:45
CF-OCB	1948	1	10:55	3,917:35
CF-OCC	1948	71	259:05	3,544:25
CF-OCE	1948 1949	111 117	273:35 294:35	3,254:55 4,024:15
CF-OCG	1949	71	301:05	3.105:00
CF-OCH	1949	50	304:25	3,186:35
CF-OCJ	1949	97	384:20	2,878:25
CF-OCK	1949	26	106:45	3,382:45
CF-OCL	1949	105	310:45	3,384:30
CF-OCN	1949	79	264:50	3,724:15
CF-OCO	1949	108	351:40	3,414:55
CF-OCP	1949	238	295:15	3,423:20
CF-OCQ CF-OCR	1949 1949	40 32	192:20 124:05	3,851:15 3,207:15
CF-OCS	1949	30	167:40	3.870:05
CF-OCT	1949	235	709:45	3,460:15
CF-OCU	1950	126	365:30	3,343:40
CF-OCV	1950	140	189:00	2,511:40
CF-OCX	1950	116	347:45	2,714:15
CF-OCY	1950	101	240:25	2,779:45
CF-OCZ	1950	31	152:25	2,226:55
CF-ODA	1951	71	424:40	2,841:15
CF-ODB	1951	174	361:15	3,231:15 3,711:05
CF-ODC	1951 1951	38 7	219:55 71:15	795:30
CF-ODE	1951	41	245:35	2.092:40
CF-ODF	1952	93	329:05	2,886:35
CF-ODG	1952	81	401:20	2,811:50
CF-ODO	1955	16	92:00	498:45
CF-ODS	1956	7	60:55	238:55
6 OTTER				
	1053	121	227.10	1,767:05
CF-ODJ	1953 1953	121 149	327:10 255:50	1,920:55
CF-ODL	1953	138	233:35	1.805:45
CF-ODP	1956	101	242:35	947:35
CF-ODQ	1956	328	343:50	1,303:55
CF-ODT	1957	174	484:50	1,238:30
Widgeon				
CF-ODR		23	256:30	865:45
	CI			102 716.10
All Other Aircra	III			183,716:10
Totals		4,198	11,984:00	315,823:45

HOURS FLOWN ON VARIOUS OPERATIONS (Summary as of March 31st)

Enective Load (tons)	22,234	2,432	3.164	3.079	2 018	2 430	674.0	0,091	3,481	3,497	4.871	4,198	70,811
Per- E sonnel Carried	89,206	5,918	3,140	5 346	7 245	047.7	5,405	0,723	2,099	5,340	5,197	4,926	151,024
Pas- sengers Carried,	165,583	30,087	30 430	25,000	21 100	51,109	29,250	46,478	28,789	28,636	27,506	27,600	499,123
Total Flying Hours	175.290	13,531	12,037	11 000	17,009	13,304	12.389	17,785	11,692	12,506	12,278	11,984	316,765
SEX.	:	:	:	:	- 1:	00	200	1/	2.2	28	2.1	20	
Mercy Flights Hours No.	361	: `	100	001	001	50	33	10	3.4	44	39	42	950
Comm. Flying	:	279	233	001	150	574	398	458	384	327	421	475	3,885
Photo	1,415	:		517	280	187	244	130	148	24	:	:	2,701
Sur- veys	1:	:	:		0.1	134	181	128	7.2	2.3	15	11	650
Re- search	1,442	:	303	360	500	386	284	192	100	212	189	228	4,061
Parks	:	:	:	:	:	:	:	:		311	27.2	345	928
Lands]	:	110	283	153	140	376	246	181	180	190	200	209	2,277
F & W Mngt. Lands Parks	2,985	1,644	2,029	2,086	1,980	1,972	2,362	2,333	2.289	2.837	3 615	3,569	29,702
Timber Mugt.	:	604	938	903	674	982	1,048	833	986	801	876	883	9,530
Fire Ranging	88,732	6,926	4,211	5,498	5,278	6,302	5,095	11.396	5 347	5,652	100,0	4,053	152,763
Year	1924-	1950	1951	1952	1953	1954	1955	1956	1057	1050	1050	1960	TOTAL

DEPARTMENT RADIO STATIONS

(As at June 2	29, 1960)		NORMAL O FREQU	
DISTRICT	STATION	CALL SIGN		V.H.F. Mc/s
FORT FRANCES	Fort Frances Lac La Croix	XLN21 XLN22	4460	46.62
	Atikokan Rainy River	XLQ71 XLR59		"
	French Lake Nym Lake	XMN23 XLN234	a	u
	Cache Bay	XLN233	66	ee
	Prairie Portage Cabin 16	XLN232 XLN29	44	45
KENORA	Kenora Minaki	XLN34 XLN32	4460	46.78
	Sioux Narrows	XLN42	46	и
	Dryden	XLN35	44	er Fi
	Nestor Falls Vermillion Bay	XLN24 XLS87		"
	Dyment	XLO96		44
	McIntosh Cedar Lake	XLN27 XLN75	66	
_				
Sioux Lookout	Sioux Lookout Red Lake	XLN37 XLN43	4460	46.86
LOOKOUI	Pickle Lake	XLN38	44	
	Armstrong	XLN40	££	
	Sturgeon Lake Ear Falls	XLQ74 XMN50	44	
	Winisk	XLR62	46	
	Ignace	XLN23	ee	а
Port	Port Arthur	XLN45	4580	46.70
ARTHUR	Shebandowan Black Sturgeon Lake	XLN47 XLN48	es es	46
	Upsala Upsala	XLN217	46	66
	Saganaga Lake	XLN218	66	66
GERALDTON	Geraldton Bears Blat	XLQ35 XLN56	4580	46,78
	Pays Plat Marathon	XLN54	ш	
	Killala Lake	XLN55	44	
	Hillsport	XLQ46	ш	66
	Nakina Longlac	XLS53 XLS52	44	11
	Macdiarmid	XLN49	и	4
WHITE	White River	XLQ78	4880	46,62
RIVER	Franz Wawa	XLN62 XLN63	44	
	Mobert	XLN61	44	
	Manitouwadge Lake	XMN25	и	
SAULT	Sault Ste. Marie	XLN58	4880	. 46.78
STE. MARIE	Blind River Peshu Lake	XLN65 XLQ41	46	
	Sand Lake	XLQ77	66	
	Pancake Bay	XLR39	44	м
	Kirkwood Mount Lake	XLP44 XLR69	44	"
	Camp 4	XLR70	44	44

DEPARTMENT RADIO STATIONS-Cont'd

(As at June	29, 1960)		NORMAL O	ENCIES
DISTRICT	STATION	CALL SIGN	Kc/s	V.H.F. Mc/s
Gogama	Gogama	XLN78	4880	46.82
	Elsas	XLN79	26 46	44
	Foleyet Opishing Lake	XLN84 XMN42	ee	46
	Ronda	XLP69	εε	cc
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanabie Sultan	XLR52 XLQ73	ee	ee
	Biscotasing	XLN80	ee	46
	Unegam Lake	XLN205	65	ee
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead Espanola	XLQ80 XLQ44	££	41
	Jamot	XLR30	41	a
	Massey	XLR29	EE	44
	Windy Lake	XLR67	44	44
	Southbaymouth	XLS86	ec	u
	Sandfield	XLR68		41
	Stinson Fairbank Lake	XLN239 XLN39	4880 4880	48.68
	Killarney	XLS85	4000	46.86
Kapus-	Kapuskasing'	XLO26	4535	46.86
KASING	Hearst	XLN69	et et	44
	Hornepayne	XLN73 XLN74	66	
	Oba Nagogamisis Lake	XLN74 XLN237	ec	
	Rogers Township	XLR71		66
Cochrane	Cochrane	XLQ37	4535	46.78
	Timmins	XLN70	46	44
	Wade Lake Moosonee	XLQ45 XMN43	"	
	Smooth Rock Falls	XLQ76		44
	Nellie Lake	XLÑ208		44
	Kettles Park Lake	XLN209		u
SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake Matheson	XLN72 XLS54		66
	Larder Lake	XLN95		61
	Matachewan	XLN60		"
	Gowganda	XLO90		u
	Hills Lake	XLO89		"
	Englehart Burt Twp. Nursery	XLR64 XLN212		"
North	North Bay	XLN83	4520	46.78
BAY	Temagami	XLN81	46	
	Lady Evelyn Lake McLaren's Bay	XLN42 XLN207	66	
	Haddo	XLP45	66	44
	Devils Lake Field			

DEPARTMENT RADIO STATIONS-Cont'd

(As at June 2	9, 1960)		NORMAL O	ENCIES
DISTRICT	STATION	CALL SIGN	II.F. Kc/s	V.H.F. Mc/s
Ремвгоке	Pembroke Smoke Lake Brent Stonecliffe Whitney Achray Round Lake	XLN92 XLN90 XLN91 XLN94 XLQ43 XLQ47 XLR40	4520 " " "	46.86
PARRY SOUND	Parry Sound Loring Powassan Byng Inlet Ardbeg Dorset Bracebridge	XLN89 XLN93 XMN35 XLS24 XMN33 XMN34 XMN75	4520	46.62 " " " "
Tweed	Tweed Bancroft Palmer Rapids Dacre Plevna Gilmour White Lake Napanee Green Lake	XLQ69 XLQ50 XLR41 XLS23 XLN53 XMN40 XLP75 XLQ31 XLR61	4775 " " "	46.70
LINDSAY	Lindsay Minden Gooderham Haliburton Peterborough Presqu'ille Park Apsley Ranger School	XLR57 XLQ70 XMN27 XLR43 XLR43 XLN46 XMN44 XLN25	4775 u u	46.78 "" ""
KEMPTVILLE	Kemptville La Rose	XMN41 not yet issued	4775	46 62
Lake Erie	Aylmer St. Williams Rondeau Park Pinery Park	XLO52 XMN28 XLR60 XLP90	4775	
Lake Simcoe	Coldwater Severn Falls Honey Harbour Six Mile Lake	XMN36 XMN37 XMN39 XLR85	4775	46.82 "
HEAD Office* Toronto	Island Airport Maple Laboratory Maple	XLO53 XLN20 XLP22	4775 4520 4535 4775 4880 5410 5499 9160	46.62 46.70 46.74 46.78 46.82 46.86

^{*}Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.



LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland Northern District of		
North America	1764-1801	Surveyor-General
Sir D. W. Smith	1801-1805	Surveyor-General
C. B. Wyatt	1806-	Surveyor-General
Thomas Ridout	1807-1829	Surveyor-General
Hon. S. P. Hurd	1832-1835	Surveyor-General
J. Macaulay	1836-1838	Surveyor-General
Hon. R. B. Sullivan	1838-1840	Surveyor-General
Thos. Parke	1841-1845	Surveyor-General
*G. B. Kirkpatrick	1880-1917	Director of Surveys
*L. V. Rorke	1918-1928	Director of Surveys
†L. V. Rorke	1928-1936	Deputy Minister/ Surveyor-General
‡C. H. Fullerton	1936-1946	Surveyor-General
F. W. Beatty	1946-	Surveyor-General

^{*} Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chap. XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

- † Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.
- ‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Township boundaries were surveyed in the vicinity of Kingston in 1784, under instructions from Samuel Holland, the Surveyor-General of Northern District of North America.

LANDS AND SURVEYS BRANCH

Chief: F. W. BEATTY

Assistant Chief:

Lands Section
Supervisor: R. G. Code

Disposition of Crown Lands Patents Leases Licences of Occupation

Engineering—Dams, Buildings, Hatcheries Field Staff Clerical Staff

Surveys Section
Supervisor: W. F. Weaver

Surveys of Crown Lands Survey Records Cartography—Map Compilation, Statistics Field Staff Draughting Clerical Staff Equipment

Special Staff
F. W. Beatty's Clerical Staff

Land Use Planning Provincial Boundaries Geographic Names Special Assignments Accounts Roads Department Consultants By Order in Council dated the 18th of November, 1791, the Province of Quebec was divided into two Provinces, to be called the Province of Upper and Lower Canada. Upper Canada was to include all the territory to the westward and southward of the line described, which is the present eastern boundary of Ontario, to the utmost extent of the country commonly called or known by the name of Canada.

Various systems of surveying the townships into lots or sections for disposition of Crown land have been adopted. The periods during which these systems were used and the types of systems are as follows:

1783-1818—single front

1787-1813-front and rear

1818-1829—double front

1829-1851—2,400-acre block

1835-1906-1,000-acre block

1859 — Townships 6 miles square—no road allowances—Townships divided into 36 sections.

1872 —Townships 6 miles square—no road allowances—6 concessions and 12 lots.

1876 — Township—similar manner to Dominion
Land Survey system—36 sections with
1½ chain road allowances around each
section.

1906 —1,800-acre blocks.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River—1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake—1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The general prosperity and employment is reflected in the requests for Crown lands for summer resort camp sites. Approximately 400 such resorts were surveyed in 1946 and 2,660 in 1958. This work has necessitated the retracement surveys, where the original surveys had become obliterated, particularly in the Muskoka, Parry Sound and Haliburton areas.

In 1922 the Department commenced sketching and mapping types of forested areas from oblique aerial photographs. Since 1926 vertical photographs have been used and in 1954 an aircraft of the Otter type was purchased for aerial photography. Aerial photographs had been taken by members of our staff of an area of approximately 248,323 square miles up to March 31st, 1958.

The Beds of Navigable Waters Act was passed in 1911 and The Water Powers Regulations Act in 1916 and, by virtue of these Acts, leases have been granted for development of power plants with a total installed capacity of 2,561,000 horse-power. The installed capacity of plants not under lease from the Province is estimated to be 2,900,000 horse-power. This includes the plants at Niagara.

Under the provisions of The Lakes and Rivers Improvement Act, plans of all dams constructed on rivers and streams must be submitted to the Department of Lands and Forests for approval before being constructed. The Department regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation, the propagation of fish and wildlife and forest protection.

The Division of Surveys was formed in 1941 and reorganized as Division of Surveys and Engineering in 1944. It was united with former Division of Lands in 1957 to form Division of Surveys with two Branches: Lands and Surveys. In 1959, the Division was named Lands and Surveys Branch and the former Branches were named Sections.

F. W. Beatty was appointed Surveyor-General on May 1st, 1946.

LANDS SECTION

The fact that the Department of Crown Lands came into being in 1827 has its own significance. In the then growing Province land was the big item. They burned timber to get at it, the prime need being cultivation and there was a limited market for lumber.

Before that, however, Upper Canada became a Province with its own legislature. The Hon. John Graves Simcoe's proclamations and the tiny legislature's enactments made the first administrative efforts.

The influx of U. E. Loyalists, the manipulations of Colonization land companies and the impact of immigration brought their problems.

Clergy Reserves, the cause of discontent, the war of 1812, and the rebellion of 1837, were tribulations of the land administrators.

The Lands Branch of the Provincial Administration actually came into being, however, in 1827 under the Hon. Peter Robinson. Some of its problems are recited in the first printed annual report in 1857.

The annual report for 1867 states, "Previous to Confederation separate accounts were not kept of the Woods and Forests revenue". Lands had been the thing. The basic titles of all privately owned land in Ontario are in its records.

The earlier Lands Branch became a separate Division in 1941 but was re-organized as a Branch within the Division of Surveys in 1957 and re-named as Section in 1959.

Re. Pine Tree Reservations in Free Grant Patents

Commencing immediately subsequent to Confederation, the Act of 1868, being 31 Victoria, Chap. 8, reserved pine trees on land located as free grants, but passed the pine trees to the grantee with the land when patent issued.

The above provision obtained until 1880 when by 43 Victoria, Chap. 4, pine trees were reserved in locations subject to certain restricted cutting permitted by locatees, but when patent issued, all the pine trees were reserved to

the Crown. This applied to all patents issuing subsequent to March 5th, 1880, and the reservation of pine trees continued through to 1937 except that in 1913, there was an amendment to The Public Lands Act which provided that where land was not in timber licence and the locatee was in residence with improvements, he could request that pine trees be included in the patent, or in the event that patent had previously issued he could request a pine patent.

The Free Grants and Homesteads Act of 1908, provided for the opening of land with the approval of the Lieutenant-Governor in Council, which had not previously been opened and which had not for any reason been withdrawn from settlement and upon such land being opened all patents of land therein included the pine trees if the land was not under timber licence.

Note: The Rainy River Homesteads Act, being Chap. 30 of the Statutes of 1897, reserved by sections 12 and 13 all the pine trees in the location, but all pine trees remaining on the land at the date of patent passed with the patent. This provision was carried through into the Consolidation of Acts relating to public lands and is incorporated in The Public Lands Act of 1913.

Note: The territorial District of Rainy River included the present Districts of Rainy River and Kenora up to 1908, when by The Territorial Divisions Act the area was separated into what is now known as the Districts of Fort Frances and Kenora.

SUMMER RESORT LANDS In Fiscal Year Ending March 31st

Year	Sales	Acres	Cancellations	Acres	Assignments	Acres	Patents	Acres	Surveys
941	169	516	4	00	:	:	126	469	:
942	126	423	1	7	2	9	86	361	:
943	169	462	:	:	:	:	127	421	:
944	344	948	10	25	3	10	231	629	:
1945	459	1,180	11	20	6	1.5	206	1,525	330
946	535	1,411	11	35	14	32	277	781	358
947	999	1,841		9	37	186	496	1,764	388
948	700	1,700		69	34	139	446	1,153	692
949	1,010	2,336		218	40	107	756	1,984	1,199
950	1,202	2,512		610	38	95	1,046	2,613	1,435
951	1,360	2,484		112	50	94	1,125	2,294	1,737
952	1,601	2,769	75	148	35	319	1,294	3,363	1,800
953	1,290	2,278		183	40	127	1,263	2,287	1,458
	1,435	2,133		447	37	7.2	1,312	2,168	1,752
	1,278	1,871		166	28	42	1,479	2,438	1,670
	1,176	1,614	1	183	12	17	1,384	2,089	1,269
	714	958		124	17	17	1,164	1,411	1,207
	1,344	1,678		53	13	15	962	1,350	2,083
656	2,155	2,517		28	19	23	1,220	1,588	2,660
1960	2,418	2,345		49	29	2.5	1.946	2.010	2.307

FREE GRANT LAND In Fiscal Year Ending March 31st

,441 226 29,266
116 14,441 120 14,214
83,655 1 61,459 1
678 83 545 61
2,308 5,737
21 49
1945

AGRICULTURAL LAND SALES, ETC. In Fiscal Year Ending March 31st

Year	No. of Sales	Acres	No. of Cancellations	Acres	No. of Assignments	Acres	No. of Patents	Acres
044	325	31.934		39.615	177	20,124	359	43,845
1945	269	27,158	562	49,651	152	16,002	315	36,307
946	281	26,535		42,933	162	17,464	321	36,683
947	303	29,757		29,470	222	22,801	433	52,189
948	280	29,506		37,069	185	21,667	299	32,929
949	277	28,740		35,095	105	12,392	225	26,435
950	267	26,671		32,452	113	12,145	316	35,483
951	195	19,228		22,134	69	7,673	256	28,104
952	223	24,420		13,358	7.1	7,313	242	26,474
953	186	21,965		21,645	70	7,560	256	29,319
954	144	14,534		13,049	50	4,484	256	29,123
955	158	15,232		17,377	92	4,131	188	21,265
956	117	12,230		18,513	26	3,008	148	17,892
957	82	8,683		19,038	15	1,461	126	14,882
958	101	10,543		17,087	7	807	150	15,471
959	101	10,607		13,788	12	1,227	110	11,644
960	89	6,758		5,788	33	211	105	10,980

LAND USE PERMITS In Fiscal Year Ending March 31st

Rondeau Park		:	:	:	:	255	143	148	153	167	191	:	:	:	:		:
Dept. Houses	:	89	236	330	377	501	1,262	1,617	1,758	1,671	1,964	2,046	2,543	2,613	2,858	3,121	3,107
Misc.	80 80	131	251	95	307	370	265	299	643	400	563	683	453	537	509	365	416
Boat House	27	31	44	26	80	17	42	79	20	69	41	102	216	237	252	368	344
Sugar Bush	6	:	:	10	2	2	4	9	:	#	:	6	rV	S	1	3	3
Mill	105	137	156	172	197	170	175	231	239	187	169	180	216	215	184	214	149
Marsh Hay	76	63	95	38	15	57	29	26	34	24	19	10	29	36	37	31	45
Agricul- ture	89	114	138	201	233	129	122	99	47	34	35	34	130	84	79	89	65
Residence and Garden	429	392	398	570	489	446	386	261	259	299	224	246	435	459	514	514	503
Trappers Cabin	00	30	31	25	47	33	18	32	13	:	4	29	200	328	218	279	226
Hunt	157	254	321	391	464	543	786	200	998	957	1,064	1,220	1,234	1,248	1,352	1,190	1,689
Vear	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960

Variations are, for the most part, due to cancellations or issue of patents.

DISPOSITION OF LAND BY PATENT

In Year Ending March 31st, 1960

											Acres
Agriculture											11,380
Summer Resort .											2,011
Special Use							-				10,374
Free Grant											5,910
TOTAL											29,675

LANDS ACQUIRED BY THE CROWN

Provincial Tax Forfeitures	19,525
Parks	3,134
Private Land Purchased or Otherwise Acquired	2,563
	-
TOTAL	25,222

DISTRIBUTION OF LITHOGRAPHED MAPS

FISCAL YEAR	Free Issues 20, 20:A	District	Island	Townships 42.A	Electoral 33.A	Misc.	Provincial Total	National* Topographic	Grand
1047	3 650	7.378	009	1.772	141	3,103	16,644	10,535	27,179
1048	1.975	7.373	. 168	506	25	1,100	11,147	11,215	22,36
1940	4.800	8,169	357	1,004	169	2,030	16,529	15,241	31,77
1950	1.896	7,560	1,255	510	152	5,062	16,435	17,013	33,448
1951	2.814	6,730	650	370	61	3,433	14,058	21,435	35,49
1952	2.096	9,426	932	285	311	3,292	16,342	24,139	40,48
1953	1.990	8,156	791	330	207	4,150	15,624	30,310	45,93
1954	2.734	9,254	593	216	64	5,167	18,028	34,459	52,48
1055	3.045	12,137	607	459	250	8,766	25,264	48,283	73,54
1956	2.113	10,475	882	576	839	1,254	16,139	48,604	64,74
1057	2.212	11,687	671	398	190	12,776	27,934	50,013	77,94
1058	1.831	12,592	345	491	126	1,890	17,275	62,048	79,32
1959	2,435	9,071	462	448	259	10,400	23,075	68,787	91,86
1960	1,285	9,728	345	829	320	8,369	20,976	68,891	89,76

*National Topographic, except those for official use, are for resale.

LAW BRANCH.

The Department has retained a solicitor on its staff for many years and, in the re-organization in the year ending March 31st, 1942, the Division of Law was established. The Division was discontinued in 1950 but re-cstablished on March 1st, 1955. It was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

It is the function of the Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of, the Department.

The Acts administered by the Department, and their purposes, are as follows.

THE BEDS OF NAVIGABLE WATERS ACT—Establishment of the principle of interpretation of letters patent granting land, that the bed of a navigable water is not granted unless the letters patent contain an express grant.

THE CROWN TIMBER ACT, 1952—The Act provides for the granting of cutting rights to Crown timber, forest management, examination and licensing of scalers, licensing of mills, and the establishment of Provincial Forests and the sale or lease of land therein.

THE FISH INSPECTION ACT, 1955—The Act provides for the regulation and inspection of the sale of fish insofar as the Province has jurisdiction.

THE FOREST FIRES PREVENSION ACT, 1952—The Act provides for the prevention and control of forest fires in the parts of Ontario declared to be Fire Districts by regulations made under the Act. It includes such subjects as honorary fire wardens, fire permits, forest travel permits, work permits, and agreements and responsibility in respect to fires.

THE FORESTRY ACT, 1952—The Act authorizes the Minister to enter into long-term agreements with land-owners for the management of land for multi-purpose forestry. It provides for tree nurseries and the regulation of the sale of nursery stock.

LAW BRANCH

Supervisor: G. H. FERGUSON

Solicitors:

W. R. Anderson D. A. Crosbie

Secretary
Stenographic Staff

THE GAME AND FISHERIES ACT—The Act provides for the management of the wildlife resources of Ontario and covers matters relating to fish and fisheries within the jurisdiction of the Province.

The Lake and Rivers Improvement Act—The Act is designed primarily to regulate lakes and rivers for the safe and orderly floating of timber, and to regulate the use of dams and other works to afford to persons having diverse interests a fair and reasonable use of lakes and rivers.

THE PROVINCIAL LAND TAX ACT—The purpose of the Act is to provide for the assessment, levy and collection of taxes and improvements in areas without municipal organization.

THE PROVINCIAL PARKS ACT, 1958—The Act provides for the establishment, control and management by the Minister of Provincial Parks other than parks under the Niagara Parks Commission or the St. Lawrence Development Commission.

The Public Lands Act—The Act provides that the Department of Lands and Forests shall be presided over by the Minister of Lands and Forests. It authorizes the appointment of the Deputy Minister, the Surveyor-General and the Advisory Committee to the Minister by the Lieutenant-Governor in Council. It provides for the management, sale and disposition of public lands.

THE RAILWAY FIRE CHARGE ACT—The Act provides for the levy and collection of a railway fire charge (fire protection) in respect of lands granted as railway lands in areas without municipal organization.

THE SETTLERS' PULPWOOD PROTECTION ACT—The Act provides for the regulation of the sale, and the price, of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT—The Act provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE SURVEYS ACT, 1958—The Act concerns the procedures and techniques governing the making of surveys.

The Trees Act—The Act provides for the passing of bylaws by municipalities (subject to the approval of the Minister of Lands and Forests) for the protection of trees and for reforestation. It provides that a landowner (with the consent of an adjoining owner) may plant trees on the common boundary, and that the trees become the common property of the owners.

The Water Powers Regulation Act—The Act imposes a duty on every holder of a water power to insure the economical and efficient use of water power used by him. It provides for the appointment of inspectors. This is the Act under which the Minister grants Water Power Lease Agreements.

THE WILDERNESS ACT, 1959—The Act provides for the establishment, management and control of wilderness areas which are set aside for the preservation of the area (as nearly as possible in its natural state) for research and educational activities and similar purposes.

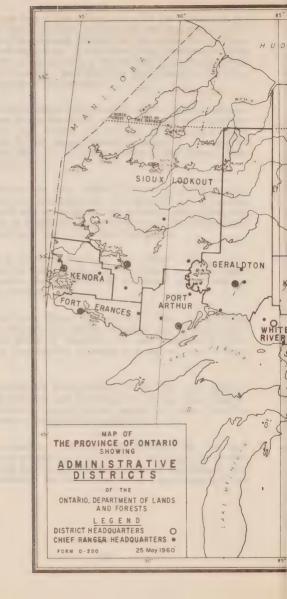
THE WILD RICE HARVESTING ACT, 1960—The Act provides that no wild rice shall be harvested on public lands except under the authority of a licence which may be issued to residents, only.

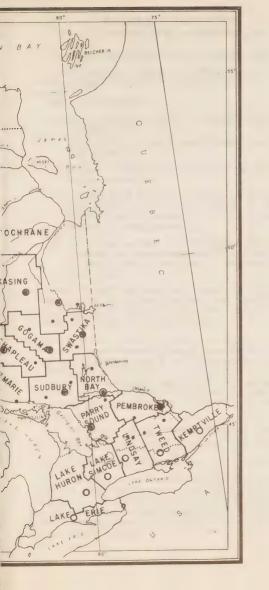
The Wolf and Bear Bounty Act—The Act provides for a bounty for the killing of bears and wolves within prescribed areas of Ontario. It also provides for the regulation and control of bears and wolves kept in captivity.

THE WOODMEN'S EMPLOYMENT ACT—The Act provids for the inspection and investigation of the operations of persons cutting Crown timber under the authority of a licence, permit, contract or agreement.

The Woodmen's Lien for Wages Act—The Act provides that a person shall have a lien upon logs and timber upon which he has performed labour. It provides for the legal machinery for the collection of wages through this lien.









FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. Lac Seul Water Diversion-February 28th, 1928.

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$500,351.52.
 - Two-fifths of cost contributed by Ontario, \$333,567.67.
- (2) Canada assumes the total cost of maintenance and operation.
- (3) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.
- (4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

Note: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

- 2. Lake of the Woods Storage—November 15th, 1922
 An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:
 - (1) Canada— 33.333333 per cent—for navigation.
 - (2) Ontario 11.4871785 per cent-for power head.
 - (3) Manitoba-55.1794882 per cent-for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,061.19, Ontario's share of the cost of the storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at the Lake of the Woods storage and Ontario will recover these costs from The Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. Use of Beckwith Island for Grouse Research - October 7, 1949.

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

 Use of Certain Areas in Camp Borden for Research in Silviculture—January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

- (1) Use and occupy from 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;
- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.
- 5. ESTABLISHMENT, MAINTENANCE AND OPERATION OF:
 - (1) Forest Insect Laboratory at Sault Ste. Marie;
 - (2) Laboratory of Forest Pathology, at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.

- Co-operation in control of forest insects and forest diseases through entomological and pathological studies:
- (2) Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;

- (3) Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- (5) Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Agreement is subject to review and may be terminated on six months' notice.

6. Agreements Under Canada Forestry Act

A. December 20th, 1956, partly amended on March 27th, 1958.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) by which Canada undertook to share costs of:

- (1) completing forest resources inventory;
- (2) maintaining forest resources inventory;
- reforesting certain crown lands and other lands owned by public authorities;
- (4) establishing and maintaining nurseries.

This agreement replaces previous one of 28th January, 1952, and extends the Federal Assistance until March 31st, 1961.

The Federal share amounts to: (1) and (2) 50 per cent of total cost; (3) \$10.00 for each reforested unit (1,000 trees) by planting or \$1.00 for each reforested unit (1 acre) by seeding on unoccupied crown land; (4) 20 per cent of the cost.

 B. June 20th, 1957. Agreement between Canada and Ontario by which Canada assists the Province to achieve adequate forest, fire protection by sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years, 1st April, 1957, to 31st of March, 1962.

- 50 per cent of the cost of equipment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- 50 per cent of the cost of erecting building to be primarily used for forest fire protection;
- (3) 50 per cent of the cost of charter or employment of aircraft and vessels for forest fire protection;
- (4) 25 per cent of the cost of buildings primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$281,224.00 for 1960-61). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

6. C. Forest Research Agreement, January 29th, 1959.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee recommends the studies to be made, reviews reports, recommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

7. Great Lakes Fisheries Research

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordinating Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- Lamprey research and control in Lake Superior.
 In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.
- 2. General Fisheries research on Lake Superior.
- Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- 2. Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
- 3. Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

UNEMPLOYMENT RELIEF

FEDERAL-PROVINCIAL AGREEMENT WHICH EXPIRED IN 1959-60

During the fiscal year the administration of the Department of Lands and Forests was affected by a federal-provincial agreement between the Province of Ontario and the Dominion of Canada providing for a Winter Work Programme respecting the development of campgrounds and picnic areas. By an exchange of letters dated October 28, 1959, and November 12, 1959, between the Minister of Northern Affairs and National Resources and the Prime Minister of Ontario the programme which was begun in the fall of 1958 for the twofold purpose of providing added employment during a period when there was unemployment in many parts of Canada and of assisting Ontario in meeting the growing demand for campgrounds and picnic areas, was continued for the period between November 1, 1959, to May 31, 1960. Under the agreement Canada agreed to reimburse Ontario for one-half of the expenditure made by Ontario in respect of the costs incurred on a Campgrounds-Picnic Area Programme or the labour costs whichever is the lesser. Ontario was required to mark in a suitable agreed form, all campgrounds and picnic areas developed under the programme since 1958 in a manner indicating that the area had been developed under a co-operative federalprovincial programme.

OPERATIONS BRANCH

When reorganization of the Department was decided upon in May, 1941, the plan included two Service Divisions, one of which (Accounts Branch) already existed, and the other, a new Division, to service the others by taking responsibility for enlistment of staff, purchase of supplies and equipment, allocation of space, promotions, distribution and pay of personnel and the operation of the central basic records system and messenger service. Placing these matters under one cover relieved the other Divisions and left them free to concentrate on primary responsibilities.

The Chief of the new Division, Mr. P. O. Rhynas, was transferred from the Department of Labour. The Division was set up in two main sections, Personnel and Office Management, and Information and Education.

On December 1st, 1957, the Minister announced the appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, and that certain Head Office Divisions would be consolidated. Thus, the Division of Operation and Personnel became the Division of Operations with Personnel becoming a section of the Department responsible to one Assistant Deputy Minister.

The welfare, training, promotion, distribution and maintenance of a staff as large and widely spread as that of the Department of Lands and Forests is a work of vital importance. To supply such a body with the essentials places the work in the field of big business.

Operations Branch (re-named in 1959) has four Sections:

Office Management, responsible for procurement, purchasing, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established April 1st, 1958), responsible for storage and supply of equipment and a large volume of printing and distribution of printed matter;

Conservation Information, responsible for Department publications (including SYLVA) and literature, press releases, various public appeals, and the supply of photographs and colour slides;

I CONSERVATION EDUCATION, responsible for making and supply of motion films, lectures, radio and television broadcasts, and Department displays at Exhibitions.

OPERATIONS BRANCH

Chief: P. O. RHYNAS

Assistant Chief: C. V. RICH

Office Management Section Supervisor: M. A. Gontier

Purchasing, Material Control, Customs, Invoicing, Leased Premises, Office Management, Records, Circular Production, Equipment Inventory, Uniforms

> Central Supply Warehouse Supervisor: M. Toms

Housing, Recording, Shipping of Stock, Composing and Making Plates, Duplicating, Collating and Distributing

Conservation Information Section Supervisor: R. V. Whelau

Gathering, Screening and Producing Information on Conservation of Natural Resources, Compiling and Releasing Minister's Brief, News Releases and Public Appeals, etc.

> Conservation Education Section Acting Supervisor: C. V. Rich

Planning and Presenting to the Public a Complete Educational Programme of Our Natural Resources Through Lectures, 16 mm. Motion Pictures, Television and Exhibit Displays

LECTURE TOURS

Number of Meetings and Attendance

YEAR	SC	SCHOOL	Pu	Public	DEPA	DEPARTMENT TOTAL	Or For Asso	Ontario Forestry Association
1944	One Lec	One Lecturer Started						
1945	:	65,886	:	5,161	:	71,047		-
1946	423	53,913	198	17,169				-
			(48	7,389 Camps)		78,471	:	
1947	405	50,990	377	22,481	782	83,471		
1948	780	101,360	752	58,615	1,532	159,975	:	
1949	876	89,020	655	71,969	1,531	160,989	20	1,511
1950	827	93,895	679	136,293	1,456	230,188	401	83,566
1951	675	80,411	913	75,850	1,588	156,261	1,241	128,052
1952	702	50,900	1,246	84,283	1,948	135,183	1,141	185,552
1953	721	53,679	1,223	86,895	1,944	140,574	611	119,312
1954	1,196	89,835	1,546	95,701	2,742	185,536	792	100,650
1955	1,143	92,381	1,526	116,263	2,669	208,642		
1956	1,076	90,540	1,402	107,746	2,478	198,286	703	56,394
1957	1,261	93,672	1,710	127,174	2,971	220,846	674	68,758
1958	972	67,013	1,708	97,334	2,680	164,347	538	68,832
1959	831	68,146	2,196	124,703	3,027	192,849	409	40,430
1960	1,094	92,794	2,715	158,682	3,809	251,476	484	61,056

INFORMATION AND EDUCATION SERVICES (In Years Ending 31st March)

Year	Motion Films (titles)	35 mm. Colour Slides	Photo Prints Loaned to Publishers	Exhibi-	Letters of Enquiry Answered*	Adminis- Consertration varion	SEMENTS Conservation	PUBLIC No. of Titles	PUBLICATIONS No. of Distri- Titles bution
								,	
1942	:	:	:	:	:	:	:	16	:
1943	:	:	:	:	:	:	:	27	:
1944	:	:	:	:	:	:	35	26	:
1945	:	:	:	:	:	:	17	30	:
1946	24	:	:	:	:	22	26	29	:
1947	25	:	:::	00	4,200	508	65	53	:
1048	26	:	:	13	6,900	:	:	53	:
1040	28			15	7,700	130	57	72	:
1050	28		1,800	38	8,065	09	44	72	:
1951	300		1,800	64	7,200	127	43	72	:
1052	20		1,800	64	8,100	57	39	26	:
1053	73	750	2,100	89	00006	74	27	55	:
1054	88	750	1,800	75	000'6	57	36	7.2	:
1955	119	750	3,500	75	7,000	103	45	87	:
1956	159	1.000	4,500	75	8,400	66	55	84	:
1957	178	1,500	00009	75	10,800	112	53	92	
1958	208	1,500	000'6	75	14,600	93	52	109	:
1959	226	1,800	9,200	7.5	21,010	139	54	116	:
1960	226	1,900	000'6	75	26,000	140	10 10	133	:
					•				

^{*}Information supplied to general public, in addition to many enquiries in person and by telephone.

PURCHASING AND SUPPLY (In years ended March 31st)

Year	Requisitions*	Direct Purchase Orders*	Supplies Sh Tons	Supplies Shipped Out*** Tons Parcels	Licences***	Circulars, Car and Pamphlet
			n v	000	201 410	170 000
1949			Oct	10,000	01,410	110,000
1950	:		160	12,000	774,470	
1951	:	:	170	12,500	802,900	104,300
1952.		:	175	13,500	868,300	105,000
1953			176	14,000	910,480	105,000
1954	13,500	7,658	200	19,000	1,005,000	135,000
1955	12,500	5,633	470	7,180	1,055,299	148,700
1956	7,079	5,224	:	:	1,120,654	
1957	6,530	3,938	488	8,450	1,154,000	
1958	6,233	3,983	350	17,040	1,212,920	500,000
1959		. :	218	19,136	1,279,067	1,871,219
1960	:		377	20,264	1,260,917	2,054,116

*Handled by Office Management Section. **Duplicated and distributed by Central Supply Warehouse.

^{***}Shipped from Central Supply Warehouse (in addition to internal supply to Head Office).



PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with W. B. Greenwood as Chief, re-named as Parks Branch in 1959. A. B. Wheatley was appointed Acting Chief on June 1st, 1960.

Algonquin, the first Provincial Park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chap. 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chap. 15. Presqu'ile was established by the Presqu'ile Park Act, 12 Geo. V., Chap. 39. Long Point was established by the Long Point Park Act, 2 Geo. V., Chap. 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Since the Provincial Parks Act was proclaimed on December 1st, 1954, all new Provincial Parks have been established by regulations made under the Act and its revisions, and published in The Ontario Gazette on the following dates:

0.	Reg.	148/55			August 6th, 1955
Ο.	Reg.	144/57			July 6th, 1957
Ο.	Reg.	229/57			October 26th, 1957
Ο.	Reg.	280/57			January 4th, 1958
0.	Reg.	42/58			March 8th, 1958
Ο.	Reg.	251/58			October 11th, 1958
0.	Reg.	254/58			October 18th, 1958
0.	Reg.	70/59			May 2nd, 1959
Ο.	Reg.	88/59			May 23rd, 1959
		195/59			August 31st, 1959
0.	Reg.	253/59			November 7th, 1959
0.	Reg.	204/60			July 30th, 1960

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957. Ten were returned in the year ending March 31st, 1960.

Section 1 (a) of the Provincial Parks Act, 1954, reads as follows: "'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds".

The many park improvements include picnic tables and fireplace grills fabricated in the various Reform Institutions throughout the Province. Senior high school and university students are employed as seasonal staff.

In every park, developments are required to follow a master plan. Park Naturalist Programmes of Interpretation are being extended.

PARKS BRANCH

Acting Chief: A. B. WHEATLEY

Assistant Chief:

Planning Section
Supervisor: A. R. K. MacDonald

Interpretive Section
Supervisor: A. F. Helmsley

Parks Inspection
Inspector: G. W. Delahey

Office Management Section
Office Manager: T. M. Van Dusen

Special Projects C. R. Tilt

Secretary Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

Year	No. of Parks	No. of Vehicles	No. of Campers	No. of Visitors
1956	21		86,641	
1957	39	629,666	162,705	2,114,661
1958	45	927.871	276,128	3,232,460
1959	55	1.420.180	479,069	5,127,199
1960	63	1,552,662	592,103	5,692,978

ATTENDANCE AT INTERPRETATIVE PROGRAMMES

Year	No. of Parks	Museums*	Nature (Trails*		Lectures	Child Camps
1950 1951 1952 1953 1954 1955 1956 1957 1958 1959	1 1 2 2 3 3 5 6 6 8 9	200 53,844 72,839 75,711 91,246 119,200 146,284 217,672 282,927*	6,173 5,390 14,341 12,761 18,920 25,388 23,125 26,908 40,929 38,771 46,742	1,943 2,046 2,824 2,975 5,479 6,958	1,593 2,675 3,769 7,263 11,078 6,595 9,001 10,760 13,955 22,820 23,828	1,448 1,815 1,949 2,790 2,168 468
1960						
Algonquir Nancy Isl Presqu'lle Quetico Rondeau. Serpent M Sibbald P Sibley Remi Lak	founds	188,000* 9,998 16,127 8,084 26,202 3,675 21,571 9,270	42,770* 2,571 1,021 157 160	4,174 833 262 1,497 192	16,735 3,881 1,272 1,387 	140

^{*}Estimated; all other figures are actual.

90 PROVINCIAL PARKS (50 established and 40 pending establishment, November 30, 1960)

Name of Park	Date Established	Authority under which Established	Area (Acres)	Camping Units	Campers 1960	Visitors 1960
::	Sept. 29, 1958	O. Reg. 251/58	1,009	::	dev.	
::	June 25, 1957 June 25, 1957	O. Reg. 144/57 O. Reg. 144/57	10,560 2,304	. 80	dev. 3,632	69,716
	July 22, 1960 April 1, 1909	O. Reg. 204/60 765 Order-in-Council 1,148,800	2,127 765.55 148,800	72 50 95	300 5,715 3,720	16,562 27,291 56,590
	July 22, 1960 July 22, 1960	O. Reg. 204/60 O. Reg. 204/60	210.02 3,353 200 277	26 20 20 20 20	3,391 1,447 3,060 1,203	51,953
:	June 25, 1957	O. Reg. 144/57	1,280	34	472	1,337
	June 25, 1957 June 25, 1957	O. Reg. 144/57 O. Reg. 144/57	37,760		dev. 3,128	34,871

KEMPYULLE Filzoy Murphys Point Rideau River Silver Lake PCPG South Nation PCPG	Sept. 29, 1958	O. Reg. 251/58	434 783.8 130 78.21	173	und. und. 12,379 13,789	174,255
KENORA Aaron Blue Lake PCPG Rushing River Stoux Natrows PCPG	Sept. 29, 1958 July 22, 1960 Sept. 29, 1958 June 25, 1957	O. Reg. 251/58 O. Reg. 204/60 O. Reg. 204/60 O. Reg. 144/57	124 175.8 395.15 284	25 25 25 30 30 30 30 30 30 30 30 30 30 30 30 30	5,347 4,052 5,034 12,249 6,139	23,494 20,186 74,643 31,405
LAKE ERIE Clay Creek PCPG Holiday Beach Ippervash John E. Pearce John B. Pearce Purry Purry Put Bruce Rock Point Rock Point Rock Williams Turkey Point	Sept. 29, 1958 Oct. 6, 1958 June 24, 1938 June 25, 1957 Oct. 11, 1957 June 25, 1957 May 5, 1894	O. Reg. 251/58 O. Reg. 254/58 O. Reg. 144/57 (See Above) O. Reg. 144/57 O. Reg. 144/57 O. Reg. 144/57	24.128 205.34 109 28.88 4,33.3 28.04 5,504 5,504	14 250 500 500 325 	1,022 25,398 dev. 17,631 37,008 dev. dev. 24,726	29,719 154,196 253,346 112,405 371,866
Lake Huron Craigleith. Sauble Falls Inverburon.		paro paro pur	24 43.7 7.84 5.7	170	13,928 11,544 18,247	58,988 141,119 85,550
PPG: Provincial Picnic Grounds.	PCPG: I	PCPG: Provincial Camp and Picnic Grounds.	Picnic Grounds	use.		

Campers Visitors 90 PROVINCIAL PARKS (50 established and 40 pending establishment, November 30, 1960)—Cont'd

Visitors 1960	139,840 68,805 44,366 479,901 379,901 113,620	52,681 102,452 23,900 299,745 73,963	32,951 27,584 59,059	20,460 71,541
Campers 1960	18,559 3,149 3,540 35,535 8,714 	1,064 10,385 day 29,240 12,125	4,480 7,992 und. 11,339 dev.	13,585
Camping Units	130 20 70 428 115 Day	70 90 500 110		300
Area (Acres)	85 13.7 110.8 495 177 116.91 43.852 99.79	295.6 59 100.682 2,170 70	22.64 74.5 2.543 814 1,100	98.67
Authority under which Established	O. Reg. 144/57 O. Reg. 280/57 O. Reg. 42/58 O. Reg. 425/58 O. Reg. 195/59	O. Reg. 253/59 O. Reg. 144/57 O. Reg. 148/55 (See Above) O. Reg. 144/57	O. Reg. 204/60	O. Reg. 70/59
Date Established	June 25, 1957 Dec., 23, 1957 Feb., 24, 1958 Sept., 24, 1958 Aug., 31, 1959	Oct. 30, 1959 June 25, 1957 July 26, 1955 May 18, 1922 June 25, 1957	July 22, 1960	April 21, 1959
Name of Park	Lake Simcoe Bass Lake Devils Glen Earl Rowe. Sibbald Point Six Mile Lake Vyasaga Beach Little Lake	Lindsay Darlington Emily Mark S. Burnham Presqu'ile Serpent Mounds	North Bay Antoine. Finlayson Point Haddo. Marten River. Samuel de Champlain.	Parry Sound Mikisew Grundy Lake

43,168 145,061 27,382	513,568 4,161 10,720	9,333 162,703 52,958 43,589 33,253	16,086	: :	33,826 84,414
7,712 16,455 und. 6,408	68,823 4,161 6,329	und. 2,772 6,805 4,563 3,860 4,493 und.	dev. 3,246 5,543	und.	7,873 3,747 und.
135 150 191	1,132 48 65	 43 37 20 20 20 104	. 52 . 52 . 52	::	
2,334,49 24 1,306	1,770,240 15 654.7	100 81.69 891 10.8 16,802 40,320 12,000	400 345,600 710	71.41	85 293.02 36,796
O. Reg. 204/60	(See Above)	O. Reg. 144/57 O. Reg. 251/58 O. Reg. 204/60 Order-in-Council	Order-in-Council		O. Reg. 144/57 O. Reg. 88/59
July 22, 1960	May 27, 1893	June 25, 1957 Sept. 29, 1958 July 22, 1960 Jan. 13, 1944	Jan. 13, 1944		June 25, 1957 April 4, 1959
Killbear Point. Oastler Lake. Restoule. Sturgeon Bay PCPG.	PEMBROKE Algonquin. Carson Lake Driftwood.	PORT ARTHUR ATTOW Lake. Inwood PCPG. Kakabeka Falls. Middle Falls PCPG. Shuniah. Sibley.	SAULT STE. MARIE Batchawana Bay. Lake Superior Pancake Bay.	Sioux Lookout Pakwash Ojibwa	Strobury Fairbank. Windy Lake. Killarney.

90 PROVINCIAL PARKS (50 established and 40 pending establishment, November 30, 1960)-Cont'd

	Name of Park	Date Established	Authority under which Established	Area 1 (Acres)	Camping Units	Campers 1960	Campers Visitors 1960 1960
	Swastika Esker Lakes Kap-Küg-Iwau McCann	June 25, 1957 June 25, 1957	O. Reg. 144/57 O. Reg. 144/57	7,680 603 640.4	32	3,225 3,079 und.	23,367 24,135
90	TWEED Black Lake PCPG. Bon Echo Lake-on-the-Mountain PPG Lake St. Peter Mazinaw Lake Outlet. Sandbanks.	Sept. 29, 1958 June 25, 1957	O. Reg. 251/58 O. Reg. 144/57	69 1,459.69 256 01.56 3.80 1,200	120 60 35 137	8,535 und. dev. 4,778 3,651 14,478 dev.	32,157 22,173 8,967 160,640
	White Lake	:	-	3,600	:	.pun	•
		Ţ	TOTALS	3,472,202.394	7,489	592,103	592,103 5,692,978

PERSONNEL BRANCH

When the Division of Operation and Personnel was separated under the administrative structural changes effected on December 1st, 1957, Personnel became a Section responsible to Assistant Deputy Minister G. H. U. Bayly, and a Branch on December 1st, 1959. Mr. S. H. C. Parsons is Branch Supervisor.

The staff of this Section is responsible for the interviewing and recruitment of job applicants, Job Analysis and Position Classification as well as Salary and Wage Administration, Employee Relations, Performance Standards, Staff Training and Development, Transfers, Promotions, Separation Discipline, Safety and Workmen's Compensation.

PERSONNEL BRANCH

Supervisor: S. H. C. Parsons

Recruitment
Transfers and Promotions
Courses and Educational Leave
Grievances, Discipline

Classification Class Specifications Job Descriptions Salary Surveys

Personnel Records
Nominations, Separations, Renewals
Permanent and Temporary Appointments
Annual Increments, Attendance
Retirement and Superannuation

Junior Ranger Programme Safety and First Aid Workmen's Compensation

Transfers and Promotions
Establishments
Control of Casuals
Job Advertising
Staff Appraisals

Special Assignments
Staff Replacement Needs
Comparative Salary Surveys
Job Descriptions
Recruitment of Professional Staff

CLASSIFICATION OF PERSONNEL

As of October 31st, 1960

GROUPS	HEAD OFFICE	FIELD	TOTAL
Air Engineers	40		40
Air Pilots	34		34
Air Service Staff	8	* * *	8
Biologists	19	24	43
Boat Captains	3	23	26
Communication Technicians	7	19	26
Conservation Officers	4	202	206
Draughtsmen	35	1	36
Engineers	10	:::	10
Foresters	49	132 559	181 560
Forest Rangers	1	48	50
Maintenance Staffs	4	7	11
Mechanics	8	77	85
Office Staffs	252	171	425
Photography Staff	17		17
Printing Machine Operators	4 3	20	23
Radio Operators	1	90	91
Research Staff	5		5
Solicitors	3		3
Stockkeepers	10	9	19
Surveyors	8	• • • •	8
Supervisory Staff	37	5 30	42 32
Truck Drivers	Z	30	32
Total	565	1,420	1,988
Forest Rangers*			
Class 5		36	36
Class 4	1	91	92
Class 3		176	176
Class 2	• • •	112 144	112 144
Class 1	•••	144	144
Conservation Officers*			
Class 5	2	19	21
Class 4	2	7 25	9 25
Class 3		116	116
Class 1		35	35

^{*}Classes 3, 4 and 5 at Supervisory level.

PERSONNEL REPORT TO YEAR ENDING 31st MARCH

Workmen's Compensation	Cost	\$ 12,850,33	14,540.02	14,248.76	21,560.24	27,189.07	35,989.21	50,989.11	43,950.68	54,157.82	51,168.82	64,693.23	63,356.59	106,962.46	85,158.76	101,376.46	132,572.01	150,709.23
WORKMEN'S	No. Claims	96	120	129	182	328	464	501	394	368	417	494	455	910	588	727	874	289
LES	Total	:	:	:	:	:	:	:	187	205	220	237	244	206	249	251	266	267
OR TIT	Misc. Total	:	:	:	:	:	:	:	12	16	16	23	26	27	27	24	22	25
EGREES	Civil Engrs.	:	:	:	:	:	:	:	3	ιΩ	22	9	ıC	9	9	9	10	10
University Degrees or Titles	Biolo- gists	:	:	:	:	:	:	:	25	26	33	36	39	34	34	40	41	43
UNIVE	Forest- ers	:	:	:	:	:	:	:	147	158	166	172	174	139	182	181	193	189
	Ranger School Grads.	:	:	:	:	:	:	:	237	257	293	331	379	425	461	504	533	575
	Licensed Scalers	:	:	:	:	:	:	:	343	356	381	391	392	404	429	459	495	578
	Casual	397	929	573	527	:	562	580	617	790	680	633	727	655	929	(+)	2,750	1,224
EMPLOYMENT STATUS*	Total Casual	578	629	691	1,085	:	1,363	1,509	1,561	1,622	1,676	1,721	1,760	1,791	1,758	1,819	1,872	2,036
LOYMEN	Cont. Temp.	268	305	318	562	:	196	157	141	181	158	175	142	180	175	134	113	06
EMI	Perm.	310	324	373	523	:	1,167	1.352	1,420	1,441	1,518	1,546	1,618	1.611	1,583	1.685	1,759	1,946
	VEAR	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960

DISTRIBUTION OF JUNIOR RANGERS (SUMMER MONTHS ONLY)

1946 1947 1948 1949
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12 18 21
10 12 25
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15 13 20
9 21
59 92 148

ADMINISTRATIVE DISTRICTS as of March 31st, 1960

Areas in Square Miles

DEPARTMENT OF LANDS AND FORESTS

ADMINISTRATIVE	Fire]	FIRE PROTECTION		ADMINISTRATIVE DISTRICTS	ADMINISTRATIVE DISTRICTS	RICTS
DISTRICTS	Land	Water	Total	Land	Water	Total
Chapleau	5,953	629	6,582	5,953	629	6,582
Cochrane	14,690	1,106	15,796	63,282	4,206	67,488
Fort Frances	5,218	1,348	6,566	5,820	1,379	7,199
Geraldton	18,734	2,605	21,339	18,734	986'9	25,630
Gogama	5,867	443	6,310	5,867	443	6,310
Kapuskasing	18,399	767	19,166	18,399	767	19,160
Kemptville		:		5,197	452	5,649
Kenora	9,321	3,030	12,351	9,321	3,030	12,351
Lake Erie		:	:	96,796	5,826	12,623
Lake Huron	:	:		8,781	6,977	15,758
Lake Simcoe	220	19	239	4,665	1,489	6,15
Lindsay	2,374	206	2,580	5,079	1,710	6,789
North Bay	4,969	616	5,585	4,969	616	5,585
Parry Sound	5,490	691	6,181	5,552	2,952	8,504
Pembroke	4,157	361	4,518	4,714	434	5,148
Port Arthur	13,869	4,681	18,550	13,869	4,681	18,550

* Total area of the Province of Ontario includes part of Great Lakes.

** St. Joseph Island (143 square miles) is included in Sault Ste. Marie District for all purposes except Fire

The area of Sudbury District for Administrative purposes is 11,684 square miles, including waters of Manitoulin, Cockburn, Fitzwilliam, Lonely, Great Duck, Western Duck and Barry Islands (1,124 square miles, excluding lakes) are included in Sudbury District for Fish and Wildlife Control only. the North Channel and Lake Huron within the territorial district of Manitoulin Island.

Ontario's southern boundary has a shore line of 2.362 miles. The northern boundary has a shore line

The highest point in Ontario is in the Lake Superior region where land is 2.120 feet above sea level.

(SEE MAP OF DISTRICTS, CENTRE INSERT)

DISTRICT - CHAPLEAU

OFFICE: Corner Lorne and Beach Streets.
Telephone 51

District Forester	J. R. Keddie											
Supervisors												
Accounts Fish and Wildlife Forest Protection Lands Parks Timber Scaling	V. Crichton L. Ridsdill W. E. MacPhail W. E. MacPhail D. E. Gage											
Chief Rangers												
Biscotasing	W. P. O'Donnell L. T. Cecile											
DISTRICT — COCH												
District Forester	F. L. Hall											
Supervisors												
Accounts Fish and Wildlife Forest Protection Lands Parks Reforestation Timber Scaling	S. Nodwell O. Welsh G. Simmons J. Bell P. Anslow											
Chief Rangers												

98

. C. R. Gray

Timmins

DISTRICT — FORT FRANCES

Office: 232 Scott Street. Telephone Browning 4-6251.

District Forester R. A. Balkwill

Supervisors

Accounts A. Kingerski
Fish and Wildlife H. Pearson
Biologist C. Elsey
Forest Protection F. Miller
Surveys and Parks L. Rawn
Reforestation J. Mullen
Timber H. Henry
Scaling G. E. Mayhew

Chief Rangers

Fort Frances J. E. Anderson Atikokan F. Dustak

DISTRICT - GERALDTON

Office: 1821 Main Street (upper floor). Telephone 443.

District Forester G. E. MacKinnon

Supervisors

Accounts R. J. Langford
Fish and Wildlife E. H. Stone
Biologist J. Goddard (Acting)
Forest Protection R. V. Brady
Lands and Parks A. Grasser
Timber F. C. Robinson
Scaling J. W. E. Peden

Chief Rangers

Longlac H. N. Whalen
Nakina J. A. Murphy
Pays Plat A. J. McGoey
Geraldton P. Bellavance
MacDiarmid H. R. Redding

DISTRICT — GOGAMA

Office: Town of Gogama. Telephone 95.

-											
District Forester A. E. Walroth											
Supervisors											
Accounts J. Vance Fish and Wildlife R. C. Johanson Forest Protection J. Canfield Lands D. J. Shaw Parks D. J. Shaw Timber J. McKnight Scaling E. Dew											
Chief Rangers											
Foleyet J. R. Languerand Gogama											
DISTRICT — KAPUSKASING Office: Kapuskasing. Telephone Edgewood 5-2231.											
District Forester J. S. Ball											
Supervisors											
Accounts J. Carswell Fish and Wildlife O. Lewis Forest Protection F. Dodds Lands T. Murphy Parks W. A. Perrin Reforestation P. Hare Timber R. A. Baxter Scaling E. A. Boice											
Chief Rangers											
Kapuskasing J. H. Clavelle Hearst J. Shalla Oba											

DISTRICT - KEMPTVILLE

Office: Kemptville. Telephone 413.

District Forester W. A. G. Thurston

Supervisors

Accounts . F. S. Bumstead
Fish and Wildlife . D. Sylvester
Biologist . J. B. Dawson
Forest Protection . E. A. Green
Lands and Parks . E. A. Green
Timber . H. R. Grinnell

Nursery

Kemptville H. H. de Vries

DISTRICT - KENORA

Office: 213-15 Main Street.

Telephone Homestead 8-9841.

District Forester F. E. Sider

Supervisor

Accounts G. McChesney
Fish and Wildlife P. Thompson
Biologist
Forest Protection B. T. Dunne
Lands J. Wynd
Parks H. V. Berg
Timber D. J. Vance
Scaling G. C. Mackey

Chief Rangers

Kenora J. Mackay
Minaki J. L. Hamill
Ignace F. Nicoll
Dryden J. Anderson

DISTRICT - LAKE ERIE

Office: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynolds Supervisors Accounts G. B. Fewings Fish and Wildlife E. L. Skuce Biologist J. D. Roseborough Forest Protection Parks : K. A. Cameron Timber C. J. Heeney Nurserv St. Williams W. Bunting Parks Rondeau R. McLaren Pinery and Severn , C. C. Myers Ipperwash J. Matheson

DISTRICT — LAKE HURON

OFFICE: R.R. No. 1, Hespeler, Telephone Oliver 8-9356.

Timber

District Forester								E. K. E. Dreyer
		S	uŗ	er	vi	801	rs	
Accounts								H. MacKrow
Fish and Wildlife	i		i	1			Ċ	E. Meadows
Biologist								
Forest Protection								
Lands								
Parks								R. W. Jordan

... II. Steele

DISTRICT LAKE SIMCOE

Office: Maple. Telephone Avenue 5-1171.												
District Forester A. W. Leman												
Supervisors												
Accounts F. Waghorne Fish and Wildlife												
Forest Protection W. A. Armstrong Lands and Parks A. Selwood Timber S. R. Hamilton												
Nurseries												
Angus W. E. Edwards Midhurst J. Halpenny												
Parks												
Sibbald's Point D. R. Cutts												
DISTRICT — LINDSAY												
Office: Kent Street West, Lindsay. Telephone Fairview 4-6121.												
District Forester D. R. Wilson												
Supervisors												
Accounts H. C. Wallwin Fish and Wildlife R. W. Swanson Biologist K. Irizawa Forest Protection W. Kitt Lands F. Flood Parks P. R. Davidson Timber E. F. Johnston- Scaling R. A. Quirt												
Chief Rangers												
Minden P. J. Cassidy Gooderham W. Sarginson												
Parks												
Presqu'ile P. J. Kennedy												
Nursery												
Orono												

103

DISTRICT - NORTH BAY

Office: 263a Main Street North. Telephone Grover 2-9360.

District Forester W. B. Clarke
Assistant District Forester D. M. Peacock

Supervisors

Accounts. J. E. Rogers
Fish and Wildlife A. M. Hodgson
Biologist J. F. Gage
Forest Protection D. M. Peacock
Lands W. Turnbull
Parks A. D. Tremblay
Timber R. Lockhart
Scaling R, T, Fraser

Chief Rangers

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

Director J. L. Mennill Accounts J. Palmer

Instructors

E. Goodman W. A. Morris G. Pennock W. P. Small D. L. Lillow

DISTRICT --- PARRY SOUND

Office: 34 Sequin Street.	Telephone Riverside 6-2141.										
District Forester Assistant District Forester	M. A. Adamson J. E. Dickenson										
Sup	ervisors										
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Reforestation	G. F. Walter J. A. Macfie C. W. Douglas D. Burns T. H. E. Croswell W. R. Peck W. K. Fullerton W. E. Dyer										
Chief	Rangers										
Parry Sound	W. I. Barber										
DISTRICT — PEMBROKE Office: 68 Pembroke Street. Telephone Regent 2-3661.											
	et. Telephone Regent 2-3661.										
Office: 68 Pembroke Street District Forester Assistant District Forester	et. Telephone Regent 2-3661.										
Office: 68 Pembroke Street District Forester Assistant District Forester	et. Telephone Regent 2-3661. R. C. Passmore D. A. Fawcett ervisors G. Bragg H. E. Deedo D. A. Fawcett J. Orme J. E. Collard										
Office: 68 Pembroke Stree District Forester Assistant District Forester Sup Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber	et. Telephone Regent 2-3661. R. C. Passmore D. A. Fawcett ervisors G. Bragg H. E. Deedo D. A. Fawcett J. Orme J. E. Collard										
Office: 68 Pembroke Street District Forester Assistant District Forester Sup Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Chief Pembroke Whitney Stonecliffe	et. Telephone Regent 2-3661. R. C. Passmore D. A. Fawcett ervisors G. Bragg H. E. Deedo D. A. Fawcett J. Orme J. E. Collard C. R. Groves Rangers R. N. Cousineau H. Hanes J. J. R. Tait										
Office: 68 Pembroke Street District Forester Assistant District Forester Sup Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Chief Pembroke Whitney Stonecliffe	et. Telephone Regent 2-3661. R. C. Passmore D. A. Fawcett ervisors G. Bragg H. E. Deedo D. A. Fawcett J. Orme J. E. Collard C. R. Groves Rangers R. N. Cousineau H. Hanes										

DISTRICT — PORT ARTHUR

Office: Forestry Building, Algoma Street North. Telephone 5-6543.

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				-			_			
District Forester					-					W. L. Sleeman
			Si	ur	er	vi	so	rs		
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber										J. C. Weir M. Sauerbrei W. Jarvis E. Diamond
		C	h	iai	F 10	0.01	nd	er	D	
Port Arthur Black Sturgeon . Shebandowan .										H. G. Reynolds
				NJ:	ur	60	9° %7			
Fort William										E. M. Cressman
DISTRIC	Т	-	_		SA	U	Ľ	r s	Γ	E. MARIE
Office: Airdrome	Ві	uil	ldi	ng	ŗ.	7	`el	epł	10	ne Algoma 6-7461.
D' (' - E				-			_			T 337 T 1 1
District Forester	•	•	٠	٠	٠	٠	٠	٠	٠	J. W. Lockwood
			Si	un	er	vi	80	rs		
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks										J. C. Kindness N. D. Patrick N. D. Patrick T. Woodside L. Smith
Timber										E. F. Anderson
				4	· ID			^-		
DI I D'							-	ers		T A TT
Blind River Sault Ste. Marie Sand Lake				•						C. Tregonning E. Montgomery

DISTRICT - SIOUX LOOKOUT

Office: 38 Front Street. Telephone 740.

District Forester Assistant District	 For	este	 r .				W. G. Cleaveley J. E. Barnes
		Su	per	vis	ors		
Accounts							D. Munch
Fish and Wildlife							
Forest Protection							E. W. Bouchey
Lands							
Parks							
Reforestation .							V. W. Fisk
Timber							J. K. Gaughan
Scaling							E. L. Sullivan
	(Chi	ef R	lan	ger	S	
Armstrong							H. S. Anderson
Pickle Lake							
Red Lake							
Sioux Lookout .							
Ignace							

DISTRICT - SUDBURY

Office: 7 Cedar. Telephone Osbourne 5-8394.

District F Assistant	D	res	tri	r ct	Fo	ore	est	er						G. A. Hamilton E. A. Lewis
							Sı	ıp	er	vi	801	rs		
Accounts														G. Jennings
														C. Bibby
Biologist											-			•
Forest Pr	ot	ec	tic	n										G. Bulloch
Lands.														A. S. Currie
Parks .														
Reforesta	ti	on												A. W. Chalk
Timber													٠	J. F. Flowers
Scaling													٠	C. J. Munro
						(hi	ief	R	ลา	าด	er	8	
Skead														V. Bragg
Espanola														E. Morin
Sudbury														W. Wetow

DISTRICT - SWASTIKA

Office: Swastika. Telephone Kirkland Lake 3090.

District Forester G. F. Covne Supervisors Accounts H. Michiel Fish and Wildlife D. Waldriff Biologist Forest Protection G. Barna Lands J. McDougall Parks H. Mattson Reforestation D. A. Scott Timber F. Janser Scaling F. Thib Chief Rangers W. A. Adair Elk Lake V. L. Wilson Matheson H. Stuart Swastika Nursery Superintendent A. H. Peacock DISTRICT - TWEED Office: Tweed. Telephone 361. District Forester J. M. Taylor Assistant District Forester J. D. Hughes Supervisors W. H. Porch Accounts Fish and Wildlife H. S. Dornan Biologist R. E. Whitfield Forest Protection McKinley Wilson Lands . A. E. Beach
Parks . W. H. Cantelon Timber J. Keenan Scaling I. K. K. Legris Chief Rangers Dacre M. D. Mulvihill

Tweed L. Fleguel

Bancroft

. O. Goodman

DISTRICT - WHITE RIVER

Office: White River. Telephone 186.

District Forester A. L. Dunne Assistant District Forester

Supervisors

Accounts.									W. C. Johnstone
Biologist									C. F. Schenk
Fish and	V	Vilo	dli	ife					E. A. Pozzo
Forest Pr	ot	ec	ti	on					B. B. Benson
Lands and	d	Pa	ırl	KS.					J. Small
Reforesta	ti	on							J. D. Griffiths
Timber .									L. H. Eckel
Scaling									J. E. Rumney

Chief Rangers

Jamestown				٠		٠	C. Macdonald
Franz							
Mobert							V. E. Niemi



RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

The Research Branch was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorest, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within economic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types—combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

RESEARCH BRANCH

Chief: R. N. Johnston

Assistant Chief: A. P. LESLIE

Executive Officer: A. R. FENWICK

Fisheries K. H. LOFTUS

Wildlife
C. D. Fowle

Forestry A. P. Leslie

Tree Breeding: C. Heimburger Site: G. A. Hills Reforestation: R. E. Mullin Regional Units: D. H. Burton Statistics: T. W. Dwight

> Mechanics M. H. Baker

Physics D. V. Anderson

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started—two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research* programme since 1937. The Department took

over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advise on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

Wildlife

In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), fur-bearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife—mainly forest damage caused by deer, rodents and hares.

TIMBER BRANCH

The first timber sales were made in Ontario in 1826; previous to this date the only persons authorized to cut timber on public lands were contractors for the Royal Navy, or those holding licences for them. In 1827 the system of sale of timber licences by public auction at a lump sum bonus price in addition to Crown dues was established; this system for the sale of Crown timber licences remained generally unchanged until 1903. From 1903 to 1924, timber sales were made on a basis of bid per thousand feet board measure or other unit of measure over and above Crown dues at which it could be sold, with prices tendered above the Crown dues and upset price being considered as bid price; this in general is the basis for the present sales.

From 1826 to Confederation there was a total area of 12,000 square miles under timber licence, from which \$100,000.00 was collected for bonus. During the period 1866 to 1903, when the last lump sum bonus sale was made, an additional 12,000 square miles was placed under licence; the average bonus received on these sales was about \$2,000.00 per square mile.

The Doyle Rule was the recognized rule for measuring timber sales in Ontario from 1879 to 1953 at which time the Ontario Rule was adopted.

The fiscal year 1908-1909 shows the largest cut of red and white pine in Ontario's history; that year 192,000,000 cu. ft. were cut; since that time the cut has gradually been reduced.

Up until 1935 the management of timber resources in the field was looked after by Crown Timber Agents who dealt with Head Office direct; since that time all phases of Forest Management have been under the control of the District Forester in each District.

In 1946 the Division of Timber Management commenced a survey of the exploitable forest resources of the Province. Since that date 284,908 square miles have been aerial photographed, 249,155 square miles planimetric mapped, 35,753 square miles photo mapped, and 138,759 square miles have been field sampled. In addition to this, companies have supplied forest data on 80,000 square miles.

TIMBER BRANCH

Chief: J. A. BRODIE

Assistant Chief: M. B. MORISON

Reforestation Section
Supervisor: R. W. Hummel

Tree Production and Distribution Soil Amendment Programmes Extension Forestry

Silviculture Section
Supervisor: A. J. Herridge
Forest Inventory
Management Planning

Silviculture Operations

Timber Section
Supervisor: L. Ringham
Sales, Licensing
Stumpage Appraisal
Scaling

Office Management

Special Projects

The inventory was completed during the 1958-59 fiscal year when re-photography began. The process of continuous inventory ensures the maintenance of detailed information on individual stands across extensive areas.

The Divisions of Timber Management and Reforestation were joined as Division of Timber on December 1st, 1957. A third Branch, Silviculture, was added during the following fiscal year. Re-named Branch in 1959, Timber has three Sections with responsibilities as follows:

TIMBER—timber sales and timber licences.

SILVICULTURE—forest inventory, planning, stand improvement and planting.

REFORESTATION—all phases of tree production, extension forestry and agreement forests.

J. A. Brodie was appointed Chief on December 1st, 1957.

REFORESTATION SECTION

Reforestation was first undertaken by the Ontario Government in 1905 when a small quantity of seedlings was grown at the Ontario Agricultural College at Guelph for use in reforesting waste lands. The nursery was transferred to St. Williams when the first Forest Station was established there in 1908. The programme was developed under the Ontario Forestry Branch in charge of Dr. E. J. Zavitz, who became Chief of the new Division of Reforestation when the Department of Lands and Forests was reorganized in May, 1941.

The main function of the Section is the restocking of forest lands by sowing seed and planting trees to protect water supplies and soil, to provide habitat for game and fish, and to sustain the forest and allied industries, for the general benefit and welfare of present and future generations in the Province.

The Section's services are available for private lands although The Forestry Act, 1952, limits the purposes and areas for which nursery stock may be furnished and imposes charges to be made for trees furnished in respect of such lands.

LICENSED AREAS, 1947-1954

Year	Number of Licences	Timber Licences Area	Pulpwood and Timber Agreements	Total of Area Licensed
1947 1948 1949	906 945 906 849	11,710 12,095 11,975 11,913	56,745 66,254 66,980 69,860	sq. mi. 68,455 78,349 78,955 81,773
1951 1952 1953 1954	811 815 793 763	10,810 10,892 10,802 11,292	74,257 83,316 87,007 87,007	85,067 94,208 97,809 98,299

TIMBER LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1955		6,435.50	85,075.40	21.10	91,532.00
1956	. 604	6,140.05 5,600.65	88,273.71 89,952.49	170.26 200.94	94,585.02 95,754.08
1958		5,354.80 4.520.62	98,149.46 99.612.16	181.33 199.90	103,685.59 104,332.68
1960	. 573	4,206.22	99,818.60	186.98	104,211.80

MILLS LICENSED, 1947-1954

Year	Sawmills Under 5M Feet	Sawmills 5M To 30M Feet	Sawmills Over 30M Feet	Pulp Mills And/Or Paper Mills
1947	506	655	42	35
1948	544	661	49	35
1949	562	681	40	35
1950	597	713	43	35
1951	667	682	53	35
1952	640	676	58	35
1953	624	681	58	31
1954	631	642	56	29

MILL LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

Year	Sawmills Under 10,000 ft. Daily Capacity	Sawmills From 10-50,000 ft. Daily Capacity	Sawmills Over 50,000 ft. Daily Capacity	Pulp Mills and/or Paper Mills	Total of Mills Licensed
1955	1,120	159	58	29	1,366
1956	1,115	162	59	29	1,365
1957	1,120	160	57	29	1,366
1958	1,124	158	57	29	1,368
1959	1,120	135	54	29	1.338
1960	646	129	23	24	822

VOLUME OF WOOD CUT IN ONTARIO (000's Cubic Feet in Years Ending March 31st)

1959	10,988 280 3,046 68,415 21,606 157,544 2,338 2,338	7,504 3,639 17,729 1,630 8,52 31,385	10,15\$
1958	12,213 711 2,567 78,225 25,238 180,006 64 2,359	8.631 4.261 20,205 1,532 819 35,448	11.412
1957	13,766 284 5,050 99,997 32,321 207,392 56 2,536	7,627 3,989 19,244 1,982 789 33,630 395,054	13,363
1956	14,374 459 5,321 88,664 33,679 205,320 102 2,401	7,437 4,441 16,921 1,813 924 31,536	12,039
1955	14,093 738 3,872 81,779 30,528 175,666 25 3,001	7,506 2,265 11,802 552 25,081 334,806	11,473
1954	13,223 97 4,368 75,488 27,612 163,447 16 2,354	8,589 2,207 11,293 691 28,536	10,756
1953	11,860 197 5,808 81,644 34,562 155,873 12 3,396	8,623 3,043 14,272 1,577 968 28,483	10,428
1952	16,057 234 8,933 108,859 34,334 251,831	7,892 3,592 22,049 1,530 1,335 36,398	i
1951	12,547 96 6,679 85,604 30,605 207,318 7 7 673	544,530 6,679 2,361 12,478 568 1,145 23,231	:
1950	9,418 127 5,753 58,775 25,586 134,310 10	6,303 1,976 6,036 1,166 1,148 16,628	
1949	13,802 126 6,299 81,862 30,459 174,652 16 1,546	5,541 2,499 13,653 1,054 1,061 23,807 332,568	:
1948	15,003 180 5,272 85,545 26,315 208,678 1,951	342,951 4,764 2,053 11,576 1,75 5 1,75 5 21,780	:
Species	Sortwood Raksun. Cedar. Hembock. Jack Pine. R & W Pine. Spruce. Tamarac. Fuelwood.	IIARDWOOD Birch Maple Poplar Fuelwood Others Total	(Export Levy Not Included) Total Value in \$000

TIMBER CUT IN ONTARIO (in 000's Cubic Feet and \$000's) in Years Ending March 31st

Boom ³ 851 2,378 2,259 2,796 2,796 2,644			Fuel- Christmas‡ wood Trees 3,647 27,430 4,804 43,330 4,214 64,325 4,517 44,945 3.891 16,106 3,968 22,655	4,804 4,214 4,517 3,891 3,968	Fuel- Christmas‡ wood Trees 3,647 27,430 4,804 43,330 4,214 64,325 4,517 44,945 3.891 16,106 3,968 22,655	Boom* Timber	851	2,378	2,259	2,781	2,796	2,644
Doyle Scale Scale 5,826 352 239 106 106 21	Boom ³ 851 2,378 2,259 2,796 2,796 2,644	Boom* Pulp- 851 225,659 2,378 245,988 2,259 262,146 2,781 289,985 2,796 245,161 2,644 207,003	Boom* Pulp- Fuel- Christmas‡ Timber wood wood Trees 851 225,659 3,647 27,430 2,378 245,988 4,804 43,330 2,259 262,146 4,214 64,325 2,781 289,985 4,517 44,945 2,796 245,161 3,891 16,106 2,644 207,003 3,968 22,655	Boom* Pulp- Fuel- Christmas‡ Timber wood wood Trees 851 225,659 3,647 27,430 2,378 245,988 4,804 43,330 2,259 262,146 4,214 64,325 2,781 289,985 4,517 44,945 2,796 245,161 3,891 16,106 2,644 207,003 3,968 22,655	Boom* Pulp- Fuel- Christmas‡ Misc. 851 225,659 3,647 27,430 1,574 2,378 245,988 4,804 43,330 2,288 2,259 262,146 4,214 64,325 505 2,781 289,985 4,517 44,945 579 2,796 245,161 3,891 16,106 1,184 2,644 207,003 3,968 22,655 1,170	Doyle Scale	25,267	5,826	352	239	106	21
<u> </u>	Boom ³ Sawlogs Timber 12,029 2,378 33,326 2,259 22,967 2,781 27,762 2,796 28,687 2,644	Boom* Pulp- 12,119 851 225,659 12,029 2,378 245,988 33,326 2,259 262,146 22,067 2,781 289,985 27,762 2,796 245,161 28,687 2,644 207,003	Sawlogs Boom* Pulp- Fuel- Christmas‡ 12,119 851 225,659 3,647 27,430 12,029 2,378 245,988 4,804 43,330 33,326 2,259 262,146 4,214 64,325 22,067 2,781 289,985 4,517 44,945 27,762 2,796 245,161 3,891 16,106 28,687 2,644 207,003 3,968 22,655	Sawlogs Boom* Pulp- Fuel- Christmas‡ 12,119 851 225,659 3,647 27,430 12,029 2,378 245,988 4,804 43,330 33,326 2,259 262,146 4,214 64,325 22,067 2,781 289,985 4,517 44,945 27,762 2,796 245,161 3,891 16,106 28,687 2,644 207,003 3,968 22,655	Sawlogs Timber wood Fulp- Fuel Christmas‡ Misc. 12,119 851 225,659 3,647 27,430 1,574 12,029 2,378 245,988 4,804 43,330 2,288 33,326 2,259 262,146 42,14 64,325 505 22,067 2,781 289,985 4,517 44,945 579 27,762 2,796 245,161 3,891 16,106 1,184 28,687 2,644 207,003 3,968 22,655 1,170	_						
	Doyle Sawlogs Timber 25.267 12,119 851 5,826 12,029 2,378 352 33,326 2,259 239 22,967 2,781 106 27,762 2,796 21 28,687 2,644	Doyle Scale Sawlogs Timber wood 25,267 12,119 851 225,659 5,826 12,029 2,378 245,988 352 33,326 2,259 262,146 239 22,067 2,781 289,985 106 27,762 2,796 245,161 21 28,687 2,644 207,003	Doyle Sawlogs Boom* Pulp- Fuel- Christmast 25,267 12,119 851 225,659 3,647 27,430 5,826 12,029 2,378 245,988 4,804 43,330 352 33,326 2,259 262,146 4,214 64,325 239 22,967 2,781 289,985 4,517 44,945 106 27,762 2,796 245,161 3,891 16,106 21 28,687 2,644 207,003 3,968 22,655	Doyle Sawlogs Boom* Pulp- Fuel- Christmast 25,267 12,119 851 225,659 3,647 27,430 5,826 12,029 2,378 245,988 4,804 43,330 352 33,326 2,259 262,146 4,214 64,325 239 22,967 2,781 289,985 4,517 44,945 106 27,762 2,796 245,161 3,891 16,106 21 28,687 2,644 207,003 3,968 22,655	Doyle Sawlogs Timber wood wood Trees Misc. 25,267 12,119 851 225,659 3,647 27,430 1,574 5,826 12,029 2,378 245,988 4,804 43,330 2,288 352 33,326 2,259 262,146 4,214 64,325 505 239 22,067 2,781 289,985 4,517 44,945 579 106 27,762 2,796 245,161 3,891 16,106 1,184 21 28,687 2,644 207,003 3,968 22,655 1,170	_						
Perm Issu Issu (1880) (Ontario Doyle Sawlogs Timbora Scale Scale Sawlogs Timbora 46,025 25,267 12,119 851 61,493 5,826 12,029 2,378 77,087 352 33,326 2,259 73,086 239 22,967 2,781 55,938 106 27,762 2,796 51,470 21 28,687 2,644	Ontario Doyle Sawlogs Timber wood scale Scale Sawlogs Timber wood 46,025 25,267 12,119 851 225,659 61,493 5,826 12,029 2,378 245,988 77,087 352 33,326 2,259 262,146 73,986 239 22,967 2,781 289,985 55,938 106 27,762 2,796 245,161 51,470 21 28,687 2,644 207,003	Ontario Doyle Sawlogs Timber wood wood Trees Scale Scale Sawlogs Timber wood wood Trees 46,025 25,267 12,119 851 225,659 3,647 27,430 61,493 5,826 12,029 2,378 245,988 4,804 43,330 77,087 352 33,326 2,259 262,146 4,214 64,325 73,986 239 22,967 2,781 289,985 4,517 44,945 55,938 106 27,762 2,796 245,161 3,891 16,106 51,470 21 28,687 2,644 207,003 3,968 22,655	Ontario Doyle Sawlogs Timber wood wood Trees Scale Scale Sawlogs Timber wood wood Trees 46,025 25,267 12,119 851 225,659 3,647 27,430 61,493 5,826 12,029 2,378 245,988 4,804 43,330 77,087 352 33,326 2,259 262,146 4,214 64,325 73,986 239 22,967 2,781 289,985 4,517 44,945 55,938 106 27,762 2,796 245,161 3,891 16,106 51,470 21 28,687 2,644 207,003 3,968 22,655	Ontario Doyle Sawlogs Timber wood wood Trees Misc. Scale Scale Sawlogs Timber wood wood Trees Misc. 46,025 25,267 12,119 851 225,659 3,647 27,430 1,574 (61,493 5,826 12,029 2,378 245,988 4,804 43,330 2,288 77,087 352 33,326 2,259 262,146 4,214 64,325 505 73,986 239 22,067 2,781 289,985 4,517 44,945 579 55,938 106 27,762 2,796 245,161 3,891 16,106 1,184 51,470 21 28,687 2,644 207,003 3,968 22,655 1,170	Perm YEAR Issu	1954					
Fuel- Christmas Misc. 3.647 27,430 1,574 4,804 43,330 2,288 4,214 64,325 505 4,517 44,945 579 3,891 16,106 1,184 3,968 22,655 1,170	Christmaa‡ Total Trees Misc. Volume 27,430 1,574 315,141 \$ 43,330 2,288 334,806 64,325 505 379,888 44,945 579 395,054 1 16,106 1,184 336,838 22,655 1,170 295,608	Total Volume 315,141 \$ 334,806 379,888 395,054 1 336,838 295,608		\$ 8,581 9,135 9,619 10,740 8,987 7,950		Bonus	\$2,175	2,523	2,573	2,774	2,578	2,346
Fuel- Christmas‡ Misc. Volume Dues F 3,647 27,430 1,574 315,141 \$ 8,581 \$ 4,804 43,330 2,288 334,806 9,135 4,214 64,325 505 379,888 9,619 4,517 44,945 579 395,054 10,740 3,891 16,106 1,184 336,838 8,987 3,968 22,655 1,170 295,608 7,950	Christmas‡ Misc, Total Dues F 27,430 1,574 315,141 \$ 8,581 \$ 43,330 2,288 334,806 9,135 64,325 505 379,888 9,619 44,945 579 395,054 10,740 16,106 1,184 336,838 8,987 22,655 1,170 295,608 7,950	Total Dues E 315,141 \$ 8,581 \$ 334,806 9,135 379,888 9,619 395,054 10,740 336,838 8,987 295,608 7,950	\$ 8,581 \$ 9,135 9,619 10,740 8,987 7,950	m 69	\$2,175 2,523 2,573 2,774 2,578 2,346	Value	\$10.756	11,658	12,19	13,514	11,565	10,297

[#]Number of trees, averaging 1/2 cubic feet, each. *Boom Timber, Piling, Poles, Booms and Dimension Timber.

‡Number of trees, averaging 1/2 cubic feet, each,

*Boom Timber, Piling, Poles, Booms and Dimension Timber.

TIMBER CUT IN DISTRICTS (in 000's cubic feet and \$000's) in Year Ending March 31, 1959

Value	\$ 450	800	270	1.622	341	1.626	740	70		397	194	590	922	499	557	133	378	196	415	10,297
Bonus	\$ 64	133	50	131	75	311	2/2	29		202	95	325	184	249	47	89	151	98	59	2,346
Dues	\$ 386	764	220	1,491	266	1,315	664	40		195	100	265	738	250	510	65	226	66	357	7,950
Total	16,364	25.401	9,706	54,887	10,469	42,480	23,952	1,794	25	9,275	4,694	10,922	26,750	9,584	18,574	2,911	10,069	4,558	13,212	295,608
Misc.	:	306	17	80	00	6	72	1	:	25	2	00	:	:	612	12	7	4	7	1,170
Christmas‡ Trees	:		18,270		:	:	80	:	:	:	:	4,130	175	:		:	:		:	22,655
Fuel- (197	529	51	268	48	411	20	10	3	209	222	46	81	20	1,112	300	302	14	46	3,968
Pulp- wood	5,438	23,138	8,969	51,903	5,130	35,821	23,296	139	:	2,328	496	965	21,129	234	13,280	424	2,674	1,215	10,422	207,003
Boom* Timber	12	17	49	194	62	19	67	7	:	95	33	501	447	4	418	21	09	200	28	2,644
Sawlogs	9,119	158	:	1,986	1,697	2,669	408	:	:	:	:	17	4,613	3	1,149	190	2,001	:	1,678	28,687
Doyle Scale	:	:	7	:	:	:	14	:	:	:	:	:	:	:	:	:	:	:	:	21
Ontario	1,599	1,252	614	:	3,508	551	25	1,644	2	6,574	3,933	9,384	340	9,293	2,004	1,965	5,025	2,725	1,032	51,470
Permits Issued	182	563	189	330	26	991	317	31	6	546	290	7.8	326	112	247	456	478	169	51	5,421
DISTRICT	Chapleau	Cochrane	Fort Frances	Geraldton	Gogama	Kapuskasing	Kenora	Lindsay	Maple	North Bay	Parry Sound	Pembroke	Port Arthur	Sault Ste. Marie	Sioux Lookout .	Sudbury	Swastika	Tweed	White River	TOTAL

MANAGEMENT UNITS (As of March 31st)

	Cor	MPANY	Cı	ROWN	Т	OTAL
YEAR	No.	Sq. Mi.	No.	Sq. Mi.	No.	Sq. Mi.
1954	36		87		123	
1955	36		81		117	
1956	39	78,382	82		121	
1957	41	78,837	80	129,551	121	208,388
1958	43	85,034	81	125,397	124	210,431
1959	48	89,754	77	120,165	125	210,919
1960	101	100,408	72	83,294	173	183,702

MANAGEMENT PLANS RECEIVED

1954	22	50,106	36	34,308	58	84,414	
1955	24	52,000	77	126,000	101	178,000	
1956	27	57,706	72	119,015	99	176,721	
1957	29	61,730	72	119,015	101	180,745	
1958	30	62,773	74	119,596	104	182,369	
1959	33	66,043	65	111,669	98	177,712	
1960	62	61,540	66	80,646	128	142,186	

AERIAL SURVEYS

A schedule has been established to re-photograph the presently exploitable forest area within the period 1958 to 1967. Under this schedule the following forest districts have been re-photographed:

1958-59	Pembroke, North Bay
1959-60	Sudbury, Swastika
1960-61	Parry Sound, northern part of Lindsay and Tweed

AREA PHOTOGRAPHED DURING TEN YEARS

(By private contractors and the former Aerial Surveys Section)

1951-52						11,400	square	miles
1952-53						24,157	44	**
1953-54						58,527	"	
1954-55						7,577	ш	ш
1955-56						26,025	44	46
1956-57						1,345	**	ш
1957-58						8,195	ú	ш
1958-59						11,484	66	44
1959-60				-		7,244	**	
1960-61						20,157	**	

REFORESTATION ESTABLISHMENTS

As at March 31st, 1960

SEED PLANTS	YEAR ESTAB- LISHED
AngusSt. Williams	1923 1908
Nurseries	
Chapleau Dryden Englehart Fort William Gogama Kemptville Midhurst North Bay Orono Sault Ste. Marie St. Williams Swastika White River	1956 1958 1955 1946 1956 1946 1922 1954 1922 1956 1908 1958
Demonstration Forests	
Augus Bloomfield (Sand Banks Forest) Elizabethville (Prouse Forest) Fort William Kemptville Midhurst Orono St. Thomas (McKay Forest) St. Williams Speyside	1923 1920 1946 1946 1946 1922 1922 1940 1908

*DISPOSITION OF NURSERY STOCK

Planted on Crown Lands	23,448,118
Planted in Forests Managed by the Minister	4,114,129
Supplied to Owners of Private Lands	13,809,125
Education and Scientific Purposes	9,798
Miscellany, Departmental Exhibits, etc	134,655
Stored at Planting Sites, etc	166,300
Total	11 692 125

^{*}In year ended March 31st, 1960.

SUMMARY OF NURSERY STOCK FURNISHED FROM NURSERIES OPERATED BY THE DEPARTMENT

PERIOD									TOTAL TREES
1905-1912									1,480,539
1913-1925									13,096,866
1926									4,433,409
1927									7,104,319
1928									11,138,985
1929									12,789,568
1930									11,175,894
1931									11,846,920
1932									10,303,569
1933									9,422,463
1934									9,760,730
1935									10,663,155
1936									10,109,772
1937									11,261,644
1938									12,339,993
1939									16,921,906
1940									17,266,697
1941		i		i					13,511,299
1942									11,303,187
1943									10,522,917
1944									10,999,379
1945									11,280,981
1946									13,175,575
1947									12,269,533
1948									13,049,776
1949									17,700,970
1950									19,027,807
1951-1952									20,749,268
1952-1953									24,241,754
1953-1954									23,448,860
1954-1955									25,519,383
1955-1956									28,351,483
1956-1957									31,081,112
1957-1958									25,854,262
1958-1959									33,414,110
1959-1960									41,682,125
To	ATC	L	٠						568,300,210

TREES FURNISHED FOR PLANTING ON PRIVATE LANDS

Algoma 276,650 271,350 239,350 316,525 Brant 221,600 166,675 243,950 105,775 Brant 221,600 166,675 190,150 142,625 162,100 Cochrane 221,600 13,500 13,500 15,7175 11,600 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 13,700 12,800 17,700 12,700 12,800 1	COUNTY OR DISTRICT	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60
276,650 271,350 239,350 220,165 106,675 202,165 113,950 116,675 10,425 113,950 155,675 10,425 113,950 155,675 10,425 113,095 155,675 10,425 10,425 126,975 49,650 26,905 1,271,050 1,271,0							
227,000 166,675 245,950 227,000 173,950 227,000 173,950 227,050 173,950 173,950 173,950 173,950 173,950 173,950 173,950 173,950 173,950 174,550 174,550 174,550 174,550 174,550 174,550 174,550 174,925 178,920 173,200 173,200 175,220 174,925 178,920 173,200 173,200 175,220 175,920 173,200 173,200 175,220 175,920 173,200 173,200 175,220 175,92		017 740	071 250	720 350	316 525	387.525	426,425
221,000 10,01 12,02 222,165 15,675 10,6425 113,950 15,075 10,425 11,700 11,600 11,600 26,775 49,650 1,994,825 1,271,630 1,558,125 1,294,825 1,271,630 23,875 216,650 1,271,630 23,875 216,650 1,271,035 1,581,25 40,525 1,371,925 1,575 10,050 1,271,075 17,975 17,475 1,371,925 17,925 10,050 1,271,050 12,575 1,371,925 11,575 1,371,925 11,575 1,371,925 11,975 11,975 1,371,925 11,975 11,975 1,371,925 11,975 11,975 1,371,925 11,975 1,371,925 1,	Algoma	270,050	277,530	242,030	105,775	120,350	161.450
13,950 155,675 106,425 101,150 121,025 113,950 155,675 106,425 127,005 15,675 106,425 126,075 127,005 15,057 10,191,975 127,050 15,270 15,050 12,050	Brant	221,000	100,001	243,930	103,133	70,00	112 050
113.950 155,675 106,425 26,975 49,650 19,000 15,000 11,000 15,071 11,000 11,271,650 1,558,125 1,294,825 1 1,271,650 1,558,125 1,294,825 1 1,271,650 1,558,125 1,294,825 1 1,271,650 1,558,125 1,294,825 1 1,271,650 1,558,125 1,294,825 1 1,271,650 1,594,950 1,594,950 1 1,271,100 1,575 1,61,250 1,62,825 1 1,11,675 1,61,250 1,62,825 1 1,11,675 1,61,250 1,64,700 1 26,500 1,950 1,950 1,91,75 1 1,07,75 1,11,675 1,11,675 1,11,475 1 1,07,75 1,11,675 1,11,405 1,11,405 1 1,07,75 1,11,675 1,11,405 1,11,405 1 1,07,75 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1 1,07,70 1,11,405 1,11,405 1 1,07,70 1,11,405 1 1,07,70 1,11,405 1 1,07,70 1,11,405 1 1,07,70 1,11,405 1 1,07,70 1,11,405 1 1,07,70 1,11,405 1 1,07,70 1,11,405 1 1,07,70 1,11,405 1 1,07,70	Denico	202,165	190,150	121,625	162,100	102,073	000,041
555,125 80,575 1,191,000 20,575 49,050 36,800 1,271,050 1,558,125 1,191,975 1,775 1,755 230,875 116,650 1,777 7,775 76,850 77,475 1,8,675 19,050 15,025 1,23,100 51,575 56,700 63,225 57,050 164,700 111,675 101,250 162,825 111,675 101,250 164,700 29,500 314,695 282,000 29,500 314,695 282,000 29,500 314,695 282,000 29,500 314,695 282,000 29,500 11,975 119,175 22,975 118,625 113,475 157,100 177,425 118,6775 157,100 177,425 118,6775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 148,730 16,755 259,600 309,650	Calleton	113 950	155.675	106,425	157,175	180,500	148,713
555,125 890,575 1,191,975 26,975 49,650 396,800 1,271,650 236,875 1,294,825 1 1,271,650 236,875 216,650 47,925 45,925 216,650 113,100 51,575 16,850 113,100 51,575 16,250 123,100 51,575 56,950 111,675 16,1250 162,825 111,675 161,250 164,700 260,650 390,900 226,000 26,500 118,625 113,475 157,100 177,425 113,475 157,100 177,425 113,475 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1146,775 157,100 177,425 1	Carieton	700	13,700	11,600	8,200	1,800	17,800
26,975 49,650 36,800 1,271,650 1,558,125 1,294,825 1 17,705 1,558,125 1,294,825 1 17,707 1,655 45,925 17,475 17,775 17,850 15,025 15,025 15,025 15,025 15,025 15,025 15,025 15,025 15,025 15,025 15,025 15,025 15,025 15,025 11,07	Cochrane	777	800 575	1 101 975	594.375	784,725	471,000
1,271,050 1,558,125 1,294,825 1,74,050 2,0887 45,925 45,925 45,925 45,925 45,925 45,925 45,925 45,925 1,294,825 1,7075 76,850 77,475 76,850 77,475 76,850 17,475 123,100 6,28,007 15,025 62,8,075 63,225 63,025 63,225 61,250 164,700 111,675 161,250 164,700 120,000 2,950 111,675 161,695 114,695 120,955 120,955 120,955 120,177,425 113,475 120,975 118,625 113,475 157,100 177,425 113,475 157,100 177,425 113,475 157,100 177,425 113,475 157,100 177,425 146,775 48,300 49,825 57,800 319,500 66,525 56,600 319,600 319,600	Dunerin	25,145	40,650	36,800	43,225	24,050	52,925
1,71,500 47,025 47,025 47,025 77,075 18,675 19,050 15,025 113,050 15,025 17,475 18,675 11,677 11,675 11,675 11,677 11,675 11,677 11,675 11,677 11,675 11,677 11,675 11,677 11,	Dundas	1 27 1 050	1 552 105	1 204 825	1.078.025	692,400	729,450
17,925 45,925 40,525 40,525 17,775 18,675 15,025 15,025 123,100 51,575 56,700 52,628,075 628,075 628,075 63,225 57,050 12,200 111,675 10,250 12,200 12,825 111,675 10,250 12,825 26,500 29,950 14,695 282,000 29,950 14,695 282,000 26,500 14,695 11,97	Durham	1,271,030	220,123	216,650	125,775	117.275	146,875
18,675 76,850 77,475 19,050 15,025 18,675 19,050 15,025 128,005 21,575 56,700 628,075 628,075 628,075 628,075 628,075 628,075 628,075 63,225 57,050 628,000 220,575 628,000 220,500 314,695 22,000 220,500 314,695 228,000 220,500 314,695 228,000 220,500 314,695 228,000 220,500 314,695 228,000 220,500 314,695 228,000 220,975 118,625 113,475 157,100 177,425 140,775 157,100 177,425 48,300 48,350 60,500 310,650 113,200 48,350 60,525 259,600 310,650	Elgin	14,000	20,00	40,525	34,650	44,500	73,300
17,075 70,530 18,675 70,530 123,100 51,575 56,700 628,075 687,950 56,700 63,225 57,050 52,725 111,675 10,250 102,825 111,675 10,250 104,700 260,650 390,900 1498,500 26,500 14,695 13,850 26,500 19,950 13,850 107,650 131,975 119,175 157,100 177,425 119,175 157,100 177,425 118,6775 157,100 177,425 146,775 157,100 177,425 148,730 18,735 60,500 103,200	Essex	67,972	40,720	11,010	76,500	117 925	171.025
12,075 1,030 19,	Frontenac	270,77	00000	1,4,7	12,000	86,675	43,400
123,100 51,575 50,700 63,225 57,050 52,725 63,225 57,050 52,725 111,675 101,250 102,825 260,650 390,900 498,500 26,500 314,695 22,000 26,500 314,695 22,000 26,500 314,695 113,850 26,500 13,1975 119,175 157,100 177,425 113,475 157,100 177,425 114,6775 58,775 58,700 48,300 60,525 57,800 48,330 60,500 319,650	Glengarry	18,0/5	19,030	13,023	22,047	20,07	122 025
628,075 687,950 550,955 659,255 63,225 67,050 52,725 67,050 52,725 67,050 52,05	Grenville	123,100	51,575	20,700	050,20	000,77	100,000
63,225 57,050 52,725 11,675 161,250 162,825 320,775 275,200 104,700 260,650 390,900 498,500 26,500 314,695 282,000 26,500 9,950 13,850 13,850 107,650 111,975 119,175 122,975 118,625 113,475 157,100 177,425 119,175 157,100 177,425 48,300 50,425 57,800 48,300 60,525 269,600 309,650	Cray	628,075	687,950	569,955	590,375	062,150	100,000
111,775 161,250 162,825 320,775 275,200 164,700 260,650 390,900 498,500 26,500 9,950 13,850 275,500 19,775 18,820 275,500 19,775 11,975 11,975 229,975 118,625 113,475 157,100 177,425 114,775 157,100 177,425 116,775 157,100 177,425 177,100 177,425 17		63 225	57.050	52,725	25,000	50,475	84,023
120,775 275,200 164,700 250,050 290,900 499,500 290,500 290,900 29,500 20,500 2	Haldimand	111,675	161,250	162,825	174,525	166,200	147,300
260,650 390,900 498,500 26,500 34,695 282,000 26,500 19,850 13,850 13,850 107,650 131,975 119,175 229,975 118,625 113,475 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 146,775 157,100 177,425 169,600 103,200 16,525 157,800 148,330 16,525 169,600 319,650	Hamburton	220,222	275 200	164,700	150,650	209,175	200,200
295,500 314,695 282,000 295,500 9,950 13,850 107,650 131,975 119,175 229,975 118,625 119,475 157,100 177,425 146,775 58,775 58,700 48,300 50,425 60,500 113,200 49,825 57,800 48,350 60,525 269,600 309,650	Halton	260,650	300,000	498,500	301,425	327,725	446,000
26,500 1,955 13,850 13,850 10,755 119,175 120,975 118,625 113,475 157,100 177,425 146,775 157,100 177,425 146,775 158,775 60,500 103,200 49,825 57,800 309,650 66,525 269,600 309,650	Hastings	200,000	214 605	282,000	252,175	256,850	250,750
120,500 131,975 113,475 113,475 113,475 113,475 113,475 113,475 113,475 113,475 113,475 113,400 140,775 10,500 103,200	Huron	200,300	0.050	13,850	8,100	12,950	8,625
107,030 131,775 229,975 118,625 113,475 157,100 177,425 146,775 158,775 58,700 48,300 50,425 60,500 103,200 49,825 57,800 48,350 69,525 269,600 309,650	Kenora	20,200	121 075	110,175	70,575	108,600	105,825
12,29,97,5 116,47.5 157,100 177,425 146,775 58,775 58,706 48,300 50,425 60,500 103,200 49,825 57,800 48,350 66,525 269,600 309,650	Kent	107,030	131,313	112,475	118 050	111,000	161.375
1 Addington. 50,425 50,500 113,200 50,425 50,500 113,200 6,525 50,600 300,659 60,500 300,659	Lambton	276,677	118,023	110,410	470,050	203,800	212 825
58,775 58,700 45,500 50,425 60,500 103,200 49,825 57,800 48,350 60,500 300,650	Lanark	157,100	111,425	140,773	44,000	000,000	03 000
i Addington 50,425 60,500 103,200 49,825 57,800 48,350 69,525 269,600 399,650	Leeds	58,775	58,700	48,300	44,900	14,000	173 235
49,825 57,800 48,350 69,525 269,600 309,650	I panow and Addington	50.425	60,500	103,200	126,400	170,720	112,323
69,525 269,600 309,650	Timosha and radington:	40,825	57,800	48,350	32,800	71,900	57,025
	Lincoln	60,525	269,600	309,650	151,300	59,700	61,325
T	Manitoulin	03,000	200,000				

147,100	149,250	212 200	007,210	317,050	675,075	146,925	556,375	353,275	157,150	162,725	75,500	21,350	179,700	386,675	150,400	1,444,225	29,800	111,425	254,850	23,450	168,175	248,525	138,550	525,100	348,650	785,325
174,450	130,800	200,000	611,797	279,650	548,225	179,450	722,275	510,475	81.850	196,690	93,300	18,600	154,925	346,875	38,825	1,312,420	19,250	182,200	240,200	9,300	130,075	258,825	131,350	339,550	263,925	638,005
135,825	202,100	200,000	787,100	269,275	528,075	102,700	771,325	349,175	47,500	212,250	53,800	9.675	20,100	324,100	54,150	1.710,525	000.6	89,250	175,850	47,525	188,974	196,075	93,375	485,950	198,650	441,275
237,650	150 200	139,200	281,550	388,075	510,475	127,000	009,606	320,275	133,550	241,425	78.275	17.975	36,250	264,200	47,125	1.755,850	12,000	80,875	99,525	42,050	176.275	262,500	109.250	306,250	281.325	691,825
192,725	242,500	242,123	234,800	588,825	635,375	198,100	1.085,300	333,300	104.325	290,900	52.825	25 400	7,275	330,600	16.375	1.964,500	8,575	96,125	254,800	32,100	150,175	250,075	108.875	647.825	313,200	797,775
192,500	517,013	159,173	253,200	390,525	600,600	241,600	875.275	439,175	115,225	258,425	40.550	24,400	1,375	282,325	23,050	2 246 075	33,500	98,375	191,225	23,375	513 525	217.375	130,525	580,025	260,025	603,175
Middlesex	Muskoka	Nipissing.	Norfolk	Vorthumberland	Ontario	Oxford	Darry Sound	Dool	Darth	Deterborough	Drescott	Drings Edward	Doing Direct	Denfrom	Duccoll	Cimood	Stormont	Sudbury	Thunder Bay	Timiskaming	Viotorio	Worterloo	Wallow	Wellington	Wennigton	York

TOTAL. 14,559,040 16,254,270 14,421,330 12,523,099 12,986,865 13,809,125

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER

1959-60		87.000	33,500	182,799	26,500	72,000	:		336,000		19,350	61,050	84,500	27,000	1,093,930		345,500	000'99	138,225	95,000		18,500	2,708,154
1958-59		70,700	10,000	184,200	14,000	114,100			225,300		18,000	96,750	00006	8,000	1,132,590	18,000	499,200		193,000	19,500	127,600	1,000	2,770,940
1957-58		70.000	1.500	232,500	12,800	29,000			195,600			000'99	17,100		956,613	24,000	333,400	10,000	129,247	13,500	86,500	23,200	2,230,960
1956-57	11.450	136,050	10,000	276,500	36,700	10,000	10,000	35,925	228,650	000,09	2,000		20,000	26,600	1,125,108	30,000	349,950	34,500	14,600	113,200	86,800	108,200	2,731,233
1955-56		215 000	3,000	134,400	37,300	14,220	7,200	58,750	155,000	3,600	22,600	250,100	18,400	43,650	1,289,825	21,400	401,750	85,300	29,000	61,500	165,300	95,900	3,113,195
1954-55		181 900	7,000	241,750	18,450	84,300	000'6		244.900	65,100	48,850	299,638			1,285,495		307,200	253,925	50,000	20,400	49,000	53,600	3,220,508
COUNTY	Brant	Bruce	Dufferin	Grev	Halton	Huron	Kent	Lanark	Leeds and Grenville	Lennox and Addington	Middlesex	Northumberland and Durham.	Ontario	Oxford	Prescott and Russell	Renfrew	Simcoe	Stormont, Dundas, Glengarry,	Victoria	Waterloo	Wentworth	York	SUB-TOTAL

41,200 18,775 27,000 50,500	137,475	284,200 25,800 257,950	230,950	96,200	94,800 3,200 200,300 21,600	1,268,500	4,114,129
9,725	29,900	93,000	388,600 73,000	100,000	75,000	1,308,800	4,109,640
25,000 58,900 32,000	115,900	20,600	193,050 44,700	99,400	100,000	920,450	3,267,310
10,250 25,000 88,950 60,375	184,575	100,675 66,000	221,000 128,800	74,000	198,950	1,128,300	4,044,108
14,000	139,750	51,150 8,500 221,800	221,900 89,400 74,500	103,000	137,000	946,130	4,199,075
40,000 47,000 114,950 103,000	304,950	122,800 59,975	25,830 25,800 166,075	34,150	208,000	1,039,250	4,564,708
Bonfield Chapple Charbottenburg Emo Emo Galway and Cavendish Torbotton	SUB-TOTAL	Ausable River. Big Creek Region.	Grand Valley Metro, Toronto & Region.	Middle Maitland valley. Moira River. Napanee Valley.	North Grey Region. Otter Creek. Saugeen Valley. Upper Thames River.	SUB-TOTAL	TOTAL

TREES PLANTED ON CROWN LANDS IN ONTARIO

DISTRICT	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60
Aylmer	60,974	68,796	69,123	188,177	828,616	70,598
Chapleau	127,000	572,040	1,004,100	789,600	1,751,000	3,037,004
Cochrane	451,175	490,262	791,800	525,118	1,028,400	1.176.842
Fort Frances	54,250	94,550	535,000	629,800	675,715	555,939
Geraldton	22,500	18,025	224,600	363,180	623,015	1.112,500
Gogama	2,000	3,066	330,231	400,000	1.000,250	2.875.000
Hespeler	27,935	51,328	64,912	40,210	19,460	7,015
Kapuskasing	202,900	225,000	626,425	461,100	884,100	1.237,600
Kemptville	79,678	82,770	168,088	12,192	54,505	104.967
Kenora	48,800	143,650	252,200	243,600	383,760	453,800
Lindsay	320,124	496,755	929,760	709,165	500,000	694.397
Maple	377,152	594,734	311,817	205,713	510,813	468.273
North Bay	89,102	457,988	189,900	196,025	322,077	703,111
Parry Sound	1,077,180	1,052,994	1,188,600	672,984	918,200	908,050
Pembroke	1,029,100	1,045,500	1,239,300	598,965	991,948	771.83
Port Arthur	314,698	167,599	783,799	1,036,628	796,700	953,600
Sault Ste. Marie	997,472	874,000	1,474,375	854,840	1.747,117	2,760,000
Sioux Lookout	18,250	61,000	104,000	120,000	150,000	225.796
Sudbury	170,607	161,912	384,050	305,217	533,415	1.643.147
Swastika	271,000	471,500	803,050	747,105	991,110	1.402.72
Tweed	554,425	590,265	938,195	486,924	882,000	1.075.65
White River	20,110	23,625	73,450	209,625	455,000	1,130,000
Toronto				5,863	23.997	
Ranger School		10,500	13,000	10,100	9,500	23,000
Unclassified						57,270
Total	6 216 420	7 757 050	12 400 777	0 040 434	007 000 70	00 440 440
TOTAL	0,310,432	600,101,1	12,499,755	9,812,131	10,080,098	23,448,118

FOREST AREAS MANAGED BY THE MINISTER

County	Date of Agreement	Acreage to March 31st, 1960
Brant. Bruce. Dufferin Grey. Halton. Huron Kent. Lanark. Leeds & Grenville. Lennox & Addington Middlesex. Northumberland & Durham Ontario Oxford. Prescott & Russell. Renfrew. Simcoe. Stormont, Dundas & Glengarry Victoria. Waterloo Wentworth York.	15 Nov., 1952 20 Jan., 1950 26 Nov., 1930 21 Dec., 1937 14 Mar., 1950 27 Nov. 1950 21 Dec., 1953 5 July, 1940 24 April, 1940 3 April, 1952 8 Mar., 1954 20 April, 1955 9 July, 1930 1 Sept., 1950 22 Dec., 1954 25 Nov., 1949 29 Sept., 1949 29 Sept., 1949 20 Sept., 1949 27 Nov., 1952 25 Sept., 1952	50.00 14,656.35 2,042.00 6,668.08 1,245.63 1,339.00 76.975 2,100.00 280.00 4,877.00 1,800.00 716.56 23,213.83 221.00 15,013.69 1,524.45 7,044.00 710.48 889.30 3,772.08
Sub-Total		94,511.925
Bonfield Charlottenburgh Cumberland . Galway and Cavendish . Marlborough Torbolton	1 April, 1952 1 April, 1955 29 May, 1952 1 Nov., 1952 21 Sept., 1953 28 Mar., 1953	60.00 175.00 808.44 100.00 200.00 430.80
Sub-Total		1,774.24
Conservation Authority		
Ausable River Big Creek Region Ganaraska River Grand Valley Metropolitan Toronto & Region Middle Maitland Valley Moira River Napanee Valley Neebing Valley North Grey Region Otter Creek Sauble Valley Saugeen Valley Upper Thames River	13 Dec., 1951 2 Dec., 1954 31 Jan., 1947 18 Mar., 1952 11 April, 1951 1 April, 1955 28 Nov., 1951 28 Oct., 1954 15 May, 1958 26 April, 1957 23 Sept., 1959 15 Dec., 1952 11 April, 1951	3,069.00 1,765.00 7,511.00 4,023.69 1,522.00 466.00 7,265.00 4,485.00 1,030.70 1,996.00 665.00 1,580.00 8,398.00 3,249.56
Sub-Total		47,025.95
TOTAL		143,312.115



ONTARIO RELATED TO CANADA

PROVINCE	Area Sq. Miles	Population 1959	Entered Confederation
Alberta	255,285	1,243,000	Sept. 1, 1905
British Columbia	366,255	1,570,000	July 20, 1871
Manitoba	246,512	885,000	July 15, 1870
New Brunswick	27,985	590,000	July 1, 1867
Newfoundland	155,364	449,000	Mar. 31, 1949
Nova Scotia	21,068	716,000	July 1, 1867
Ontario	412,582	5,952,000	July 1, 1867
Prince Edward Island	2,184	102,000	July 1, 1873
Quebec	594,860	4,999,000	July 1, 1867
Saskatchewan	251,700	902,000	Sept. 1, 1905
Yukon	207,076	13,000	Organized June 13, 1898
Northwest Territories	1,304,903	21,000	Reconstituted Sept. 1, 1905

Source: Canadian Bureau of Statistics for Year ended June 1st, 1959.

A RECONSTRUCTION OF CANADA'S POPULATION RECORD

1851-1951*

Vear	Births	Deaths	Immigration Emigration	Emigration	Population at End of Decade	Ontario Population Since Confederation
	And the second s	The state of the s				
1759	:				(Total White) 60,000	
1851	:	:			2,436,000	
1851-61	1,281,000	611,000	209,000	86,000	3,230,000	
1861-71	1,369,000	718,000	187,000	377,000	3,689,000	1,620,000
1871-81	1,477,000	754,000	353,000	439,000	4,325,000	1,926,000
1881-91	1,538,000	824,000	903,000	1,110,000	4,833,000	2,114,000
1891-01	1,546,000	828,000	326,000	505,000	5,371,000	2,182,000
1901-11	1,931,000	811,000	1,782,000	1,067,000	7,207,000	2,527,000
1911-21	2,338,000	1,018,000	1,592,000	1,330,000	8,788,000	2,933,000
1921-31	2,414,000	1,053,000	1,195,000	967,000	10,377,000	3,431,000
1931-41	2,291,000	1,070,000	150,000	241,000	11,507,000	3,787,000
1941-51	3,205,000	1,216,000	548,000	380,000	14,009,000	4,597,000
1955					15,575,000	5,100,000
1956			:	:	16,081,000	5,405,000
1959 (Sent. 1)					17.550.000	5,990,000

*Taken from "The Growth of Canadian Population" by Nathan Keyfitz.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed—"An Act to Preserve the Forests from Destruction by Fire".
- 1886 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted. .

- 1893 Algonquin Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.
- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established at O.A.C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1908 St. Williams Forest Station established.
- 1909 Ouetico Park established.
- 1910 Lumbermen assessed for full cost of maintaining -17 fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirtyfour Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.

First air patrols carried out as a measure of forest protection.

- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.
- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations.

New Inspectorates of Hudson and North Bay established.

1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.

- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forests (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.
- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established. Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Lake Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
- 1947 The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis.
- 1949 White River District established (Central Region), the 22nd District.
- 1951 Division of Law abolished. Legal affairs directed by Departmental Solicitor.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory, Committee to the Minister.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.
- 1954 By March 31st, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.
- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches In the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

Total: Eight Divisions and two Sections.

- 1958 The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.
- 1959 Silviculture becomes the third Branch in Division of Timber. Divisions re-named Branches and Branches re-named Sections as of December 1st.
- 1960 Twenty-eight wilderness areas established under The Wilderness Act, March 26th, 1959.

MEMORANDUM

MEMORANDUM

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Government Posterious

REFERENCE OF LANDS AND FORESTS ADMINISTRATION

CAZON LF45 S76



DEPARTMENT OF LANDS AND FORESTS

HON. J. W. SPOONER

F. A. MACDOUGALL
Deputy Minister



Government Publications

A STATISTICAL REFERENCE OF LANDS & FORESTS ADMINISTRATION, 1962

INDEX	PAGE
Forward	1
Premiers of Ontario since Confederation	2
Commissioners and Ministers since 1827	3
Deputy Ministers since Confederation	4
COUNTS BRANCH	5
Lands and Forests Revenue	7
Lands and Forests Expenditures	8
Timber Revenue	9
Fish and Wildlife Revenue	. 10
Parks Revenue	12
Cash Receipts	13
SH AND WILDLIFE BRANCH	15
Fur Returns by Game Management Districts	17
Value of Pelts, Exported or Tanned	18
Revenue from Pelts, Exported or Tanned	19
Bounties Paid (Wolf and Bear)	20
Breeding Stock on Fur Farms	21
Pheasant Hunting Preserves	22
Commercial Pheasant Farms	23
Hunting Licences Sold	24 25
Prosecutions, Fines, etc.	26
Production of Provincial Fish Hatcheries	27
Distribution of Hatchery Fish	28
Commercial Fishing Equipment	31
Yield of Ontario Fisheries by Species	32
	33
	0.5
REST PROTECTION BRANCH	35
Air Service Section	38
Forest Fires Estimated Damage	39 40
Forest Fires Acres Burned Over	41
Forest Fires Origin	42
Forest Fires Detection, Size	43
Forest Protection Permits	44
Major Equipment	45
Air Service Summary	47
Whots' Flying Time	48
Aircraft Service Record	49
Air Service Base Opening Dates	50
Radio Stations, Call Signs, Frequencies	53
NDS AND SURVEYS BRANCH	57
Surveys Section	59
Lands Section	61
Das sition of Land by Patent	62
Lands Acquired by Crown	64
Summer Resort Lands	65
Agricultural Land Sales	66
Free Grant Land	67
Land Use Permits	68
Sale of Lithographed Maps	69
Wilderness Areas	70
NW BR NCH	75
Federal-Provincial Co-Op Agreements	82

INDEX - Continued

	PAGE
OPERATIONS BRANCH	89
Lectures and Attendance	91
Information and Education Services	92
Warehouse Shipments	93
PARKS BRANCH	95
Public Use of Provincial Parks	97
Provincial Parks	98
PERSONNEL BRANCH	103
Number of Employees	104
Number of Professional Employees	105
Summary of Classifications	106
Distribution of Junior Rangers	107
Administrative Districts, Areas	108
Assistant Deputy Ministers	110
Regional Directors and Foresters	110
District Foresters and Supervisors	111
RESEARCH BRANCH	12 3
TIMBER BRANCH	127
Forest Resources Inventory	129
Volume of Wood Cut by Species	130
Timber Cut in Districts	132
Timber Cut in Ontario	133
Management Units	134
Stand Improvement	135
Mills and Areas Licensed	136
Reforestation Establishments	137
Tree Production of Nurseries	138
Trees Planted on Crown Lands	139
Trees Planted on Managed Forests	140
Trees Supplied to Private Lands	142
Forest Areas Managed by the Minister	144
POPULATIONS and Areas of Provinces	145

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1961 season and are subject to correction in the Annual Report for the year ending March 31st, 1962.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield		
Macdonald	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard	, and the second second	• 1
Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn	July 10, 1934	Aug. 21, 1942
Hon. G.D. Conant	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	

COMMISSIONERS AND MINISTERS SINCE 1827

	F	From	To
Hon. Peter Robinson Hon. R.B. Sullivan	July July	17, 1827 14, 1836	July 14, 1836 June 30, 1841
Hon. John Davidson	July		Oct. 12, 1842
Hon. A.N. Morin	Oct.	13, 1842	Dec. 11, 1843
Hon. D.B. Papineau	Sept.	3, 1844	Dec. 7, 1847
Sir John A. MacDonald		8, 1847	Mar. 10, 1848
Hon. J.H. Price		11, 1848	Oct. 27, 1851
Hon. John Rolph		28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte		17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug.	31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan.		April 30, 1857
Sir E.P. Tache		16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte		25, 1857	Aug. 1, 1858
Sir. A.A. Dorien		2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet.	Aug.	7, 1858	Mar. 18, 1862
Hon. George Sherwood	Mar.	27, 1862	May 23, 1862
Hon. Wm. McDougall	May	24, 1862	Mar. 29, 1864
Sir Alex. Campbell		30, 1864	June 30, 1867
Hon. Stephen Richards	July	1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July	25, 1871	Dec. 21, 1871
Sir Richard W. Scott		21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.		4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy	Jan.		July 21, 1896
Sir John M. Gibson	July		Oct. 21, 1899
Hon. E.J. Davis	Oct.	21, 1899	Nov. 22, 1904
Hon. A.G. McKay		22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb.	8, 1905	May 13, 1905
Hon. F. Cochrane		13, 1905	Oct. 11, 1911
Sir William Hearst	Oct.		Dec. 22, 1914
Hon. G.H. Ferguson	Dec.	22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov.	14, 1919	July 11, 1923
Hon. Jas. Lyons	July	16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb.		Oct. 18, 1926
Hon. Wm. Finlayson	Oct.	18, 1926	July 10, 1934
Hon. Peter Heenan	July	10, 1934	May 27, 1941
Hon. N.O. Hipel		27, 1941	Aug. 17, 1943
Hon. W.G. Thompson		17, 1943	Nov. 28, 1946
Hon. H.R. Scott	Nov.	28, 1946	June 3, 1952
Hon. W.S. Gemmell	June	3, 1952 7, 1954	July 7, 1954 July 4, 1958
Hon. C.E. Mapledoram	July	7, 1954	July 4, 1958
Hon. J.W. Spooner	July	23, 1958	

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941

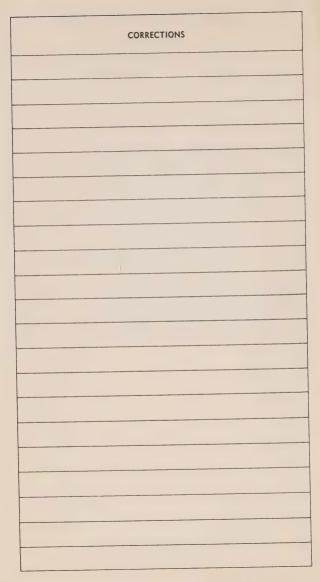
AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES	
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ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J.G. McMillen.

New accounting procedures became effective on April 1st, 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R.R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

ACCOUNTS BRANCH
Chief: R.R. MacBean
Assistant Chief: F.M. Baker
INTERNAL AUDIT
Internal Auditor: W.A. Brown Internal Audit & Field Inspections
SYSTEMS & PROCEDURES
H.F. Damkevala
REVENUE ACCOUNTING
Cash Receiving, Accounts Receivable Issue of Fish & Wildlife Licences, Park Permits, Timber Accounts, Land Sales, Land Tax, Rentals
EXPENDITURE & GENERAL ACCOUNTING
Payrolls, Accounts Payable Accounting Machine Operations
LAND TAX ADMINISTRATION
Supervisor: A.C. Molloy Assessments, Appeals, Addressograph
BUDGET ACCOUNTING
Supervisor: S.E. Neundorf Budget Estimates & Forecasts, Financial Reports
SPECIAL ACCOUNTING

Secretarial
Department Mail Services
Field Office Trainees

LANDS AND FORESTS REVENUE

in years ending March 31st

Year	Ordinary	Capital	Total
1931	\$3,949,892.39	\$ 157,492.06	\$ 4,107,384.45
1932	2,932,706.88	115,333.63	3,048,040.51
1933	2,128,974.35	52,077.96	2,181,052.31
1934*	2,327,784.94	54,752.73	2,382,537.67
1935	860,909.93	34,906.89	895,816.82
1936	3,476,648.75	88,939.50	3,565,588.25
1937	3,757,125.17	60,922.65	3,818,047.82
1938	4,692,016.08	54,921.78	4,746,937.86
1939	5,557,901.17	61,152.15	5,619,053.32
1940	4,629,579.91	76,545.53	4,706,125.44
1941	6,077,439.09	59,912,04	6,137,351.13
1942	6,287,161.43	37,339.68	6,324,501.11
1943	6,964,338.05	69,275.28	7,033,613.33
1944	6,567,183.32	130,524.24	6,697,707.56
1945	6,436,259.97	155,219.01	6,591,478.98
1946	8,321,551.84	193,061.14	8,514,612.98
1947**		261,865.96	10,628,147.89
1948	10,456,251.70	215,151.77	10,671,403.47
1949	11,410,352.16	215,884.90	11,626,237.06
1950	10,921,652.37	677,603.32	11,599,255.69
1951	10,962,465.72	5,351,437.91	16,313,903.63
1952	14,602,165.18	3,222,682.07	17,824,847.25
1953	20,621,374.56	2,513,325.57-a	23,134,700.13
1954	18,156,762.00	1,810,672.96	19,967,434.96
1955	19,146,974.96	178,810.09	19,325,785.05
1956	19,823,049.47	328,056.86	20,151,106.33
1957	20,881,873.91	367,501.40	21,249,375.31
1958	22,189,712.48	490,717.96	22,680,430.44
1959	19,512,132.50-bc	725,375.25	20,237,507.75
1960	18,627,418.14-b	807,860.60	19,435,278.74
1961	20,811,710.78	844,686.28	21,656,397.06

^{*} Last fiscal year ending October 31st.

^{**} Years 1931-47 include former Department of Game and Fisheries.

⁽a) Mississagi salvage project.(b) Cut-back in woods operations.

⁽c) Water power revenue transferred to Treasury Department.

EXPENDITURES

in years ending March 31st

Year	Ordinary	Capital	BALANCE
1931	\$ 2,756,123.46	\$1,225,265.79	\$ 125,995.20
1932	2,397,171.42	639,796.66	11,072.43
1933	1,974,028.61	400,817.37	d-193,793.67
1934*	2,297,076.46	388,422.87	d-302,961.66
1935	632,683.96	97,656.24	165,476.62
1936	1,737,940.93	306.569.88	1,521,077.44
1937	2,336,151.40	443,491.73	1,038,404.69
1938	2,233,253.64	363,507.42	2,150,176.80
1939	2,790,491.27	407,079.83	2,421,482.22
1940	2,698,570.83	397,331.81	1,610,220.80
1941	2,637,270.83	330,059.75	3,170,020.55
1942	2,910,615.37	320,502.77	3,093,382.97
1943	4,072,688.46	3,029.42	2,957,895.45
1944	3,610,850.90	4,574.92	3,082,281.74
1945	4,210,648.47	341.95	2,380,489.46
1946	4,839,821.50	8,234.30	3,666,557.18
1947**	7,043,267.18	116,523.23	3,468,357.48
1948	7,598,611.94		3,083,791.53
1949	11,400,801.97		234,435.09
1950	9,913,520.62	4,623,339.12	d-2,934,604.05
1951	9,840,796.17	3,326,822.18	3,149,885.28
1952	10,681,717.01	2,196,671.93	4,949,208.31
1953	11,486,280.94	1,654,781.54-a	10,006,812.65
1954	12,608,254.47	800,000.00	6,559,176.49
1955	12,716,508.33	178,810.09	6,430,466.63
1956	17,148,523.65	128,297.23	2,874,285.45
1957	16,037,678.39	187,935.36	5,023,761.56
1958	18,733,582.62	280,550.13	3,666,297.69
1959	20,259,829.63	4,167,468.40-e	d-4,189,790.28
1960	23,029,901.12-e	991,022.60	d-4,585,644.98
1961	23,042,059.98	234,988.32	H-1,620,651.24

^{*} Last fiscal year ending October 31st.

^{**} Years 1931-47 include former Department of Game and Fisheries.

⁽a) Mississagi salvage project.

⁽d) Operating deficit.

⁽e) Park improvements.

TIMBER REVENUE

in years ending March 31st

Year	Crown Dues	Ground Rent	Fire Tax	Total
1931	\$ 2,649,017	\$ 85,325	\$ 308,843*	\$ 3,041,142
1932	1,759,711	73,801	270,515*	2,105,508
1933	961,120	72,337	275,356*	1,309,584
1934	1,111,095	95,733	296,242	1,815,463
	-,,	,	280,260*	_,,
1935**	359,018	6,765	9,896*	376,577
1936	2,070,655	76,730	280,285	2,570,246
			140,143*	
1937	2,180,583	104,692	473,859*	2,804,643
1938	2,928,505	88,163	416,145*	3,437,564
1939	3,351,305	76,282	409,546	3,912,073
1940	2,300,308	88,036	428,271	2,863,762
1941	3,404,709	136,627	543,522	4,153,237
1942	3,695,167	79,370	276,577	4,122,577
1943				4,982,281
1944				4,561,733
1945	3,606,192	117,396	436,395	4,241,581
1946	4,947,915	115,299	419,323	5,554,781
1947	6,175,444	125,061	461,164	6,944,104
1948	6,093,410	126,875	456,444	6,855,031
1949	6,899,107	108,934	440,011	7,332,290
1950	6,146,884	112,139	485,313	6,789,235
1951	5,269,279	116,642	1,007.662	6,461,103
1952	8,324,529	114,197	1,010,554	9,500,865
1953	13,718,339	123,366	1,175,776	15,117,701
1954	10,225,155	79,832	1,052,635	11,396,460
1955	10,834,114	76,019	945,953	11,927,678
1956	11,667,003	76,234	971,517	12,706,730
1957	12,332,778	80,786	1,091,659	13,556,568
1958	13,333,503	81,098	1,041,837	14,431,008
1959	11,382,445	84,468	1,085,027	12,520,000
1960	10,381,270-1		1,057,804	11,565,322
1961	11,983,089	80,488	1,035,464	13,092,417

Applied as refund to expenditure on Forest Ranging.

^{**} Five-month year.
(b) Cut-back in woods operations.

FISH AND WILDLIFE REVENUE

in years ending March 31st

Year	Deer Licences	Moose Licences	Other Hunting Licences	Non-Res. Hunting Licences
1931	\$ 75,017	\$ 7,953	\$ 51,238	\$ 62,300
1932	64,961	6,243	46,764	46,420
1933	50,257	5,220	75,761	35,080
1934	47,264	3,163	59,214	25,800
1935*	48,684	2,195	39,565	30,315
1936	56,544	2,728	69,636	53,080
1937	59,351	2,981	71,526	73,938
1938	72,320	3,179	77,781	92,370
1939	83,527	2,574	95,788	80,415
1940	81,882	2,734	94,882	84,590
1941	77,469	2,948	86,528	84,265
1942	94,924	3,278	97,769	124,365
1943	118,084	4,373	102,245	93,245
1944	115,396	4,697	75,153	89,450
1945	117,005	4,813	79,390	115,590
1946	166,635	7,051	110,253	218,855
1947**	196,549	9,316	132,907	361,887
1948	205,827	11,878	146.601	453,790
1949	237,707	16,787	176,301	468,705
1950	242,208	352	194,228	364,922
1951	264,881		200,790	401,490
1952	293,945		222,998	340,255
1953	348,665	33,487	249,982	156,913
1954	355,911	52,464	251,535	447,366
1955	364,082	73,460	277,237	454,643
1956	405,201	90,040	295,320	513,088
1957	400,272	134,210	292,098	545,979
1958	415,920	173,650	317,375	563,004
1959	459,440	214,664	346,914	588,852
1960	468,833	245,033	352,197	698,968
1961	493,361	280,274	357,021	797,213

^{*} Five-month year.
** Department of Game and Fisheries to 1947.

FISH AND WILDLIFE REVENUE

in years ending March 31st

Year	Angling Licences	Commercial Fishing +Licences	Trapping +Licences	Total
1931	\$ 186,449	\$115,553	\$131,370	\$ 715,463
1932	136,077	106,996	130,574	613,785
1933	121,981	100,741	117,054	571,657
1934	128,472	100,989	121,686	544,738
1935*	7,339	50,346	48,378	258,348
1936	200,642	96,982	139,200	683,939
1937	272,691	111,450	109,202	785,466
1938	331,430	114,259	92,800	868,481
1939	339,450	102,088	100,330	914,475
1940	391,504	98,998	156,293	1,015,351
1941	384,675	97,980	137,395	984,801
1942	476,520	98,110	175,815	1,183,269
1943	306,264	84,507	161,635	962,351
1944	288,685	103,143	195,286	975,073
1945	412,073	99,819	247,562	1,193,034
1946	605,321	103,105	277,768	1,651,166
1947**	1,000,866	109,473	274,139	2,248,201
1948	1,156,904	110,705	206,514	2,431,533
1949	1,350,501	116,597	328,171	2,827,774
1950	1,450,180	115,344	293,426	2,790,711
1951	1,637,775	121,688	321,698	3,082,091
1952	1,868,746	135,255	341,664	3,341,180
1953	1,949,892	140,116	398,604	3,409,915
1954	2,086,074	125,427	353,005	3,800,735
1955	2,204,668	140,064	343,220	3,989,256
1956	2,279,336	132,944	317,052	4,154,714
1957	2,294,761	145,447	272,952	4,205,827
1958	2,431,977	128,634	277,800	4,434,531
1959	2,337,425	116,861	268,276	4,439,824
1960	2,399,612	112,260	252,001	4,622,207
1961	2,435,611	110,168	279,484-1	4,848,111

<sup>Five-month year.
Department of Game and Fisheries to 1947.
Includes Royalties.</sup>

⁽f) Royalty decrease.

PARKS REVENUE

in years ending March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Total
1958	\$148,488	\$ 78,462	\$	\$244,333
1959	207,751	124,137	*****	359,069
1960	292,459	206,148	44,775	568,938
1961	382,887	331,481	60,868	800,444

CASH RECEIPTS

in years ending March 31st

Year	Parks † Rentals	Crown Land † Rentals	Crown Land Sales	Nursery Tree Sales
1931	\$20,169	\$264,957	\$167,411	\$ 8,463
1932	19,393	275,230	140,016	6,755
1933	21,568	352,815	69,437	******
1934	23,367	352,550	72,825	7,047
1935*	6,955	107,203	28,472	3,863
1700	0,700	107,300	20,472	0,000
1936	24,117	440,490	65,128	8,568
1937-g	25,365	48,255	80,381	9,743
1938	27,329	51,073	70,249	8,890
1939	26,337	60,053	75,212	4,254
1940	27,510	65,846	94,947	5,335
-, .,	_,,	,	,	-,
1941	27,379	67,200	53,821	5,643
1942	27,101	68,435	41,961	5,834
1943	18,975	61,911	69,162	8,453
1944	27,844	99,265	118,745	26,138
1945	23,699	84,215	155,219	10,559
1946	23,943	87,285	193,061	19,386
1947	25,814	95,446	261,866	25,373
1948	28,584	104,918	215,152	25,562
1949	38,292	113,554	215,885	1,685
1950	31,704	112,062	217,642	153
1951	32,303	120,468	188,444	60
1952	32,021	119,562	186,225	
1953	33,108	140,248	197,368	128,220
1954	39,460	165,643	184,428	157,892
1955	42,822	178,749	212,985	216,247
1056	42 612	100 924	205 057	174,279
1956	42,612	199,834	295,057 309,314	160,244
1957 1958	64,800	235,571		
	51,066	264,852	358,427	146,173 160,131
1959-g	62,128	280,860	551,088	160,362
1960	43,190	298,706	607,538	100,302
1961	39,566	334,474	609,698	122,408

t Leases and Licences of Occupation.

^{*} Five-month year.

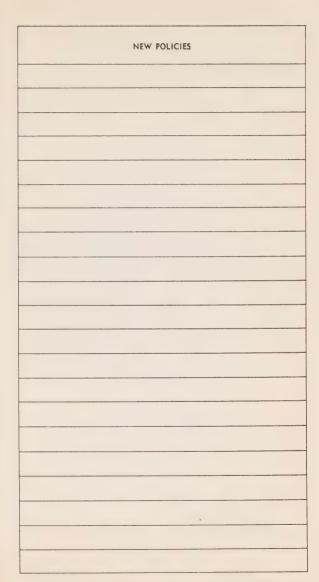
⁽g) Water Power Revenue separated from Crown Land Rentals in 1937 and transferred to Treasury Department in 1959.

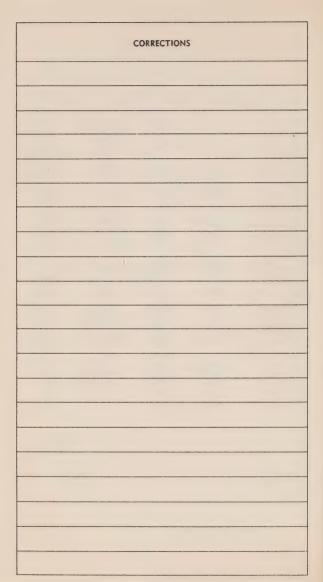
CASH RECEIPTS

in years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered
1931	\$ 131,851	\$ 3,298	\$	\$ 9,988
1932	119,728	1,710	*****	994
1933	119,135	1,812		2
1934	131,448	1,789	*****	35,298
1935*	107,302	567	13,182	7,724
1936	131,928	1,412	54,131	23,376
1937	178,622	1,973	19,213	23,295
1938	234,761	2,138	11,643	23,193
1939	129,178	2,387	6,680	28,889
1940	133,936	1,987	4,270	38,223
1941	169,609	2,247	5,794	38,507
1942	146,802	3,462	10,902	40,183
1943	146,014	3,192	6,946	28,670
1944	158,745	2,925	19,448	22,916
1945	175,342	4,913	12,417	26,850
1946	209,459	9,048	25,284	30,943
1947	204,475	11,071	15,258	46,402
1948	185,470	13,825	8,376	53,230
1949	217,521	17,225	6,373	48,331
1950	242,292	18,778	10,734	70,707
1951	322,661	19,092	13,407	38,975
1952	367,696	21,774	16,710	55,473
1953	393,236	22,723	11,720	30,140
1954	562,723	23,546	16,361	46,269
1955	644,961	30,660	16,724	46,487
1956	687,296	39,579	15,267	98,385
1957	776,789	59,634	12,793	96,065
1958	810,466	62,225	13,393	76,875
1959	1,114,638	84,024	20,826	103,224
1960	1,133,879	87,941	32,236	94,637
1961	1,162,185	84,097	22,657	62,166

^{*} Five-month Year.





FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until 1946 when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Appointed Chief of the new Division, the late Dr. W.J.K. Harkness, a widely recognized authority, introduced many of the modern principles of fish and wild-life management.

Dr. C.H.D. Clarke was appointed Chief on April 1st, 1961.

FISH AND WILDLIFE BRANCH

WILDLIFE SECTION

Supervisor: D.N. Omand
Game Management
Fur Management
Field Services

FISHERIES SECTION

Supervisor: H.H. MacKay
Game Fisheries and Hatcheries
Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

*** Wlv.	24 13	255	
Wolf	178 399	650 538 613 563 501	445 560 300 495 296
	20,544	32,002 13,129 23,727 23,816 28,813	20,190 17,981 16,410 11,626 12,472
Squirrel Weasel	209	4,121 5,598 16,077 14,256 16,133	13,861 19,440 14,778 11,330 9,255
Skunk \$	169	4,538 5,747 5,749 2,506 1,879	1,105 2,019 572 389
Racoon	129	6,667 10,905 9,874 10,669 99,641	13,135 10,551 9,596 4,200 10,580
Otter	3,276	6,137 5,259 6,410 6,203 6,224	6,401 5,325 7,293 5,754 6,040
Muskrat	172,219	408,662 567,565 671,642 607,645 640,865	443,153 443,153 446,578 337,936 320,287
Mink	19,867 30,750	31,323 27,704 28,904 30,264 29,520	27,510 30,069 41,837 37,186 47,445
Marten	120	1,045 1,529 2,210 2,767 3,587	2,909 4,092 5,707 4,091 6,361
** Lynx	409	415 251 1,216 1,464 1,547	891 657 1,114 1,891 4,038
Col. Fox	39 2,783 14 1,727	3,341 4,871 5,784 4,604 2,879	2,619 1,253 2,031 1,858 1,188
Arc. Fox	39	139 198 54 685 98	163 60 128 302 85
Fisher	1,027	662 2,081 2,414 2,335 2,915	3,046 1,822 2,737 2,091 3,125
Beaver	46,208	81,790 99,391 109,260 91,484 115,439	98,084 93,065 126,986 101,984 110,615
No. of Trappers	4,326	11,379 11,641 12,332 11,914 12,310	11,001 9,529 8,604 7,826 8,657
Year	1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960

^{**} Lynx includes Bob Cat. * Management began in 1947.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

Š	Total	\$7,229,098 6,386,885 6,834,120 6,413,530	7,684,460 6,012,145 6,040,596 4,588,280 7,227,870	7,119,077 5,554,018 6,656,546 6,414,426 7,281,744	6,910,963
VALUE OF PELTS	Ranch	\$2,262,888 2,346,039 1,647,044 2,165,233	3,101,559 2,355,226 2,171,784 1,905,518 2,942,968	4,129,555 2,978,209 3,943,119 3,969,224 4,450,571	4,441,088
	Wild	\$4,966,209 4,040,847 5,187,075 4,248,297	4,582,901 3,656,919 3,868,812 2,682,762 4,284,902	2,989,521 2,575,809 2,713,427 2,445,203 2,831,174	2,469,875
	Total	977,634 1,156,717 1,211,545 1,090,802	963,787 1,111,715 1,255,189 1,149,431 1,267,295	959,593 1,036,983 1,029,095 943,102 928,358	1,029,480
OF PELTS	Total Ranch	101,430 155,468 164,917 158,912	152, 208 152, 284 156, 903 132, 759 159, 765	172,985 248,317 237,930 262,913 287,265	348,602
NUMBER OF PELTS	Ranch Mink	73,770 125,829 143,358 143,513	142,570 144,436 152,760 131,192 158,662	171,723 247,998 237,172 262,788 286,845	348,192
	Wild	876,204 1,001,249 1,046,628 931,890	811,579 959,431 1,098,286 1,016,672 1,107,530	786,608 788,666 791,165 680,189 641,093	680,878
	Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

Car Export Total Tanners Export Total Tanners 1947 45,847 762,998 214,636 \$ 91,694 \$188,560 \$ 23,329 1948 20,083 863,700 294,017 40,166 219,949 \$12,156 1950 720,083 863,700 294,017 48,506 219,949 18,055 1951 181,845 814,447 149,340 163,690 241,938 18,055 1952 122,887 992,733 256,476 135,100 300,321 15,593 1953 122,887 998,713 256,476 185,103 300,799 26,314 1955 112,683 122,587 155,919 242,490 34,795 1955 111,778 769,027 190,566 112,663 196,956 20,379 1956 111,778 880,3370 248,617 111,278 194,930 224,490 27,590 1956 109,757 821,984 1106,374 1109,366 194			NUMBER OF PELTS		ROY	ROYALTY ON WILD PELTS	IS
45,847 762,998 214,636 \$ 91,694 \$188,560 \$ 74,533 940,378 224,617 40,166 238,073 3	Year	Export Beaver	Total Export	Tanners	Export Beaver	Total Export	Tanners
3 70,083 862,700 224,017 40,166	47	45,847			\$ 91,694	\$188,560	\$ 23.229
67,253 940,378 271,167 148,566 238,073 18,465 909,079 181,723 131,200 219,949 105,603 924,844 189,740 163,690 241,948 105,771 908,973 256,476 118,106 300,321 105,071 908,990 256,476 185,103 300,321 112,663 941,348 355,947 112,663 196,729 111,278 769,027 190,566 112,663 196,340 111,278 788,370 248,613 111,278 194,340 110,684 879,316 119,779 140,930 224,921 119,684 830,538 112,564 196,554 188,562 130,167 918,212 111,268 130,167 224,237	48	20,083			40,166	0 0 0 0	
65,600 909,079 181,723 131,200 219,949 181,845 814,447 149,340 163,690 241,938 112,803 998,713 266,476 185,103 300,799 105,071 998,790 240,441 155,919 242,490 111,278 788,370 248,613 111,278 194,340 111,278 788,370 248,613 111,278 194,340 111,278 830,538 112,564 109,567 185,562 111,278 830,538 112,564 109,567 180,564 109,575 140,930 224,321 110,684 109,757 140,779 140,930 224,337	49	74,253			148,506	238.073	27.156
81,845 814,447 149,340 163,690 241,938 122,863 924,868 188,447 211,006 300,331 122,867 928,713 256,446 185,103 300,793 134,729 908,990 240,441 157,635 268,223 134,729 908,927 240,441 157,635 242,490 111,678 769,027 120,566 111,276 124,490 111,778 788,370 248,613 111,378 194,346 119,684 830,536 140,930 224,921 119,684 195,84 195,88 130,167 918,212 111,268 130,167 224,237	20	65,600			131,200	219,949	18,075
105,503 922,868 188,847 211,006 300,321 122,287 908,713 256,476 185,103 300,321 300,321 122,287 908,973 246,476 185,103 300,729 300,321	51			149,340			15.403
122,287 998,773 256,476 185,103 300,799 105,071 908,990 24,1348 255,947 155,635 268,823 134,729 941,348 225,947 155,919 244,490 111,278 769,027 190,566 112,663 196,956 140,930 879,316 149,779 140,330 244,921 140,930 830,538 112,564 119,684 195,86 109,757 821,984 106,374 109,757 188,562 130,167 918,212 111,268 130,167 224,237	52			188,847			19,556
105,071 908,990 240,441 157,635 268,223 268,223 241,749 242,490 241,748 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,490 242,240 24	53			256,476			26.314
112,663 769,027 190,566 112,663 196,966 111,278 196,956 111,278 196,956 111,278 196,956 111,278 196,956 111,278 196,956 119,684 830,538 112,564 119,684 195,884 106,374 109,757 130,167 224,237	54			240,441			25,430
112,663 769,027 190,566 112,663 196,956 111,278 788,370 248,613 111,278 194,940 140,930 879,316 149,779 140,930 244,921 119,684 830,538 112,564 119,684 155,886 109,757 821,984 106,374 109,757 188,562 130,167 918,212 111,268 130,167 224,237	55			325,947			34,795
111,278	, 99			190,566			20.767
3 140,930 879,316 149,779 140,930 224,921 1 140,930 830,538 112,564 119,684 195,386 1 109,757 821,984 106,374 109,757 188,562 1 130,167 918,212 111,268 130,167 224,237	57			248,613			27.596
119,684 830,538 112,564 119,684 195,586 109,757 821,984 106,374 109,757 188,562 130,167 918,212 111,268 130,167 224,237	200			149,779			9.407
109,757 821,984 106,374 109,757 188,562 130,167 918,212 111,268 130,167 224,237	29			112,564			8,353
130,167 918,212 111,268 130,167 224,237	09			106,374			6,950
	1961	130,167	918,212	111,268	130,167	224,237	9,017

BOUNTIES PAID in years ending March 31st

	Total Amount Paid	\$59,275	57,977	56,927	46,457	41,803	40,000	38,703		37,550	27 255	41,589	33,619	1	48,766
	Total	2,664	2,727	2,544	2,100	1,895	2,120	1,891	2	1,675	1,752	1,824	1,509		2,138
WOLF BOUNTY	Pups	42	. % 4	41	4	63	89	70	į.	100	71	34 40	4 4 2		57
MC	Brush	1,182	1,062	890	651	634	739	720	040	559	486	574	250		761
	Timber	1,440	1,581	1,613	1,405	1,198	1,313	1,101	6/0,1	1,088	1,195	1,047	939		1,320
	Total Amount Paid	\$ 9,735	5,035	8,530	4.645	4,180	6,805	10,000	11,590	6,310	6,225	16,930	7,590		4,150
BEAR BOUNTY	Under 12 mts. \$5 each	73	17	122	47	29	57	145	66	20	20	300	116	101	46
B	12 mts. and over \$10 each	959	509	803	452	408	662	947	1,126	614	611	1,568	1,084	160	401
	Year	1947	1948	1950	1011	1051	1953	1954	1955	1056	1957	1958	1959	TAPO	1961

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

6	1					Cave	mment
1960	9.6	280	680	142,600	H 6	Second	lic & trons
1959	83	• •	506	130,294 142,600	H 64		496
1958	57	13	405	119,299	≓ ∞	33 476	513
1957	56	1119 105 7	460	109,936	12		520
1956	81	155 108 6 239	599	101,721	12		542
1955	70	251 136 4 4 456	16 934	85,332	16	70 82 47	529
1954	89	230 136 3 583	1,047	75,340	98	62 707 57	549
1953	56	294 159 159 760	1,321	70,160	15	264	631
1952		349 267 1,567		73,535	16	36 192 47	769
1921	200	2,813	4,260	73,034		35 99 99 90 90 90 90	914
1950	256	476 903 30 3,391	5,451	67,943	23	125 76 4	1,078
	Fox	Pearl Platinum Platinum Red Standard Silver	Total Fox	Mink	Beaver Fisher	Marten Muskrat. Racon	NO. OF FARMS

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1960-61

Stock on Hand as of March 31, 1961	3,019 1,054 103 306 145 38 700 710 711 5,365
Total Number of Hunters on Preserves	700 394 394 119 113 113 115 11777
Total of Birds Removed by Hunters	3,551 4,636 1,017 571 451 1,936 12,316
Number of Birds Released	6,367 8,703 1,717 960 501 72 3,576 171 22,067
Total Purchases	2,859 8,871 1,481 698 Nil 72 Nil 161
Number of Licensed Preserves	E 20 4 20 E 20 E 20 E 20 E 20 E 20 E 20
District	Aylmer. Hespeler Maple Lindsay. Sudbury. Tweed Kemptville.

ACTIVITIES OF COMMERCIAL PHEASANT FARMS, 1960-61

1000	Hand as of March 31, 1961	2,627 2,187 2,187 966 368 145 195 764 8,357
	Live Adult Birds	4,405 3,038 171 171 171 837 837 814 Nil 375 27
SALES	Chicks and Poults	15,815 657 301 392 700 1,894 100 48
	Eggs	5,243 885 N11 1,470 1,036 95 N11 N11 N11 N11
	Dressed	3,553 6,648 15 3,087 1,091 12 11 871 1,540 16,817
	Adults	435 364 12 235 175 106 106 10 10 10 10 10
PURCHASES	Chicks and Poults	4,169 8,317 920 925 575 Nil 100 100 14,456
PURC	표 80 83	110 1146 Ni1 2750 1000 Ni1 Ni1 Ni1 Ni1 Ni1
	Number of Farms	466 52 30 112 11 113 113 115 115 115 115 115 115 115
	Administrative District	Aylmer Hespeler Maple Lindsay Lanty Sound Sault Ste Marie Sudbury Tweed.

HUNTING LICENCES SOLD

BEAR & WOLF				60 1,120 00 3,060 10 2,490 00 1,520 10 1,750		86 3,828
SMALL GAME	Non-Res		-	4,960 4,960 1 3,810 5,300 6,010		5 7,286
SMA	Resident	92,847	155,309 171,098 186,060 205,706 213,594	240,040 268,444 256,341 284,000 318,000	316,778 341,838 377,589 378,666	383,205
	Total	1,528	2,924 3,786 4,700	1,400 3,620 8,230 8,230 9,990	14,962 19,257 25,050 29,780	36,160
MOOSE	Non-Res.	1,426	1,230 1,516 1,700	637 730 990	1,521 1,890 2,362 3,431	4,212
	Resident	875	1,694 2,270 3,000	1,400 3,620 5,196 7,500 9,000	13,441 17,367 22,688 26,349	31,948
	Total	41,039	70,790 78,492 85,000 88,324 96,820	99,690 97,660 101,085 103,200 113,200	105,505 113,363 115,366 109,948	120,404
DEER	Non-Res.	2,385	7,877 11,193 11,300 12,050	10,400 ** 870 8,300 10,400 8,050	7,426 6,743 5,988	6,004
	Resident	38,654 53,930	62,913 67,299 73,700 76,274 84,380	89,290 96,790 92,785 92,800 105,150	98,079 106,620 109,322 102,960	114,400
	Year	1944	1946 1947 1948 1949	1951 1952 1953 1954	1956 1957 1958 1959	1960

^{**} U.S.A. ban on importation of cloven-hoofed animals.

TOTAL LICENCES SOLD

	ANG	LING		HUNTING	
Year	Resident	Non-Res.	Resident	Non-Res.	Total
1944		89,291	132,376	5,168	137,544
1945		126,367	186,680	9,451	196,131
1946		171,400	219,916	14,556	234,472
1947		196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1051	4 =0=	200	220 =20	14 400	245 010
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
	70 /01	27/ 000	400 000	14 000	445 101
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883

PROSECUTIONS in years ending March 31st

Collected	\$44,267 46,947 45,808 47,622 47,622 47,715 52,088 44,444 43,895 47,443 43,895 47,443 45,136 45,136	
Collected	\$1,216 1,456 1,746 1,746 1,447 1,442 1,274 1,204 1,204 1,186 1,188	
Total	2,129 2,038 2,038 2,040 2,946 3,040 3,040 3,040 3,040 3,040 3,040 2,13 2,13 2,13 2,13 2,13 2,13 2,13 2,13	
Cases With-	4 4 4 1 1 1 4 1 1 4 1 4 1 1 1 4 1 1 1 1	
Cases Dis- missed	85 114 106 102 108 118 118 87 87 87 76 76 76 76 126	
Convic-	2,040 2,040 2,040 2,040 3,052 3,052 2,160 2,160 2,160	
Total Sales and Redemptions	\$37,202 10,742 17,222 21,534 22,843 23,633 23,633 23,009 24,596 24,596 24,596 24,596 25,018 20,612	
Public Sale of Seized Equipment	\$ 4.700 15,514 7,053 9,4751 9,239 9,389 9,389 9,392 10,397 9,698	
ES Total	11,84 2,001 2,001 3,005 3,005 3,005 2,77 2,77 2,00 4,24 4,24 4,24 4,24 4,24 4,24 4,24	
SEIZURES	11.23.22 1.1.23.23 1.1.23.23 1.1.23.23 1.1.23.23 1.1.23.23 1.1.23.23 1.1.23.23 1.23.23	
Year	1947 1948 1949 1950 1951 1953 1954 1955 1956 1959 1960	

PRODUCTION OF PROVINCIAL FISH HATCHERIES IN 1960

HATCHERY	Speckled Trout	Lake	Kamloops Trout	Brown	Largemouth Bass	Smallmouth Bass	Maskinonge	Whitefish	Pickerel	Splake
Chatsworth TRS Codrington TRS	102,500Y 14,450Y 36,100Y	58,300Y	16,350Y	1,700Fg			3,390,000F.	0 0 0 0 0 0	0 0 0	
Dorion TRS	331,050Fg 16,630Y	265,614Y	400Y				51,405Fg		· · · · · · · · · · · · · · · · · · ·	
Hill Lake TRS	2,350T 15,200Fg 187,780Y	37,875Fg 30,200Y	26,120Fg						* * * * * * * * * * * * * * * * * * *	
Kenora	49,031T 15,000F	15A 46,800Fg						12,000,000E	33,000,000E	
Kingsville								7,750,000F 53,270,000F	3,600,000F	
Midhurst Ponds	40,250Y 75Fg			32,100Y	230,550F	10,000F				
Normandale	24,300Y		2,000Fg 8,240Y	35A						
Pembroke TRS	24,300T 178,000Y	103,000Fg	2,000Y							
Sandfield	223,400Y		300Y			146,000F 51,000Fg				13,151Y
	415,000Fg 278,290Y									
Skeleton Lake Westport Ponds White Lake Ponds	141,000Y 5,000Y 246,010Y	45,000Y 11,300Y 66,500Y 146,200Fg	25,500Y 3,900Y 18,000Y	53,280Y	29,500Fg	52,700Fg 35,400Fg		1,973,000F		

²⁵⁰ Kokanee Salmon yearlings at White Lake; 345 Alpine Charr yearlings at Sault Ste. Marle; 50,000 Herring Iry at Kingsville; 2,000 Aurora Trout fingerlings at Hill Lake; 660 Ouananiche adults at Dorion. TRS - Trout Rearing Station; E - Egg; F - Fry; Fg - Fingerling; Y - Yearling; T - 2-year old; A - Adult. Other species:

DISTRIBUTION OF HATCHERY FISH in 0001's

1960	231 30	156 178 1	• •	• • •	•	:	50	3,390
1959	445	227	::	:::	:	76	1,068	4,070
1958	46 63 1	130 133 5	::	. 64 rV	•	:	::	2,940 18 1
1957	190 129 3	468 132 1	::		:	:	1,840	2,430
1956	360 122 1	803 369 19	• •	21	:	:	350	3,610
1955	3.63 8.64 8.64	209 529 25	۲:	• • •	7	:	3,400	3,712
1954	720 279	820 452 14	::	: rd :	:	:	2,717	3,550
1953	330 328 1	720 623 18	::		:	:	3,600	2,740
*1952	544	358 385 15	::		:	:	1,100	3,750
*1951	826 145	935 402 14	::	• • • •	:	:	8,100	2,360
*1950	550	1,506	::	• • •	:	:	5,100	3,350
SHICHDS	BLACK BASS, Large mouth. Fry. Fry. Fingerling and Adult	BLACK BASS, Small mouth. Fry	BLUEGILLS Fingerling	CHARR, French Alpine. Fingerling	CHARR, Pennsylvania.	GRAYLING, Arctic.	HERRING Eggs	MAKKINONGE Fry. Fingerling.

		_							
	•	53,790		::	• •	13	64	. 00 .	
• • •		30,875	:	• •	::	. 13	7	193	
* * * *		56,245	•	• •	• • • • • •	208	:	133	
11:		90,565	:	::		16	6 9 9	36 170	
-		138,805	:	: :	513	• 00 •	8 6 6	151	
	•	8,310	:	423	• •	10	*	234	
	•	6,000	:	::	::	17	•	178	
• • •		160,200 234,610 176,285 270,975	:		• •		0 0 0	103	
24.		176,285	72		• •		•	108	
0 0 0		234,610	:	::	::	· · · ·	•		
• • • • • • •	•	160,200	:		* * *	• • •	:	307	
OUANANICHE Fingerling Yearling	PERCH Fry	Eggs Fryserling	SALMON, Atlantic Fingerling	SALMON, Chum. Eggs Fingerling	SALMON, Pink. Eggs Fingerling	FingerlingYearlingAdult	TROUT, Aurora. Fingerling	Eggs Fingerling Yearling	

DISTRIBUTION OF HATCHERY FISH in 000's

1960		389	49 15 15 1,616	12,000 62,993 140,342
1959	20 95	274 634	580 455 1,807	1,000 44,985 89,880
1958	10 10 15 95 32		2,079 10	30,940 47,515 142,682
1957		230	200 91 522 2,677	13,435 67,275 180,704
1956	10 10	12 10 736 320	1,332	51,178 11,130 212,410
1955	833.	2,612 241	50 842 1,991	67,165 102,950 286,267
1954	2**	2,606	720	42,665 67,165 139,210 102,950 430,780 286,267
1953	108	250 6,985 172	25 1 1,963 3,251 14	186,700
*1952	73	1,849	2,721	235,200 121,185 200,400 186,700 416,946 378,080 392,272 479,069
*1951		1,775 3,147 134	10 945 3,087	121,185
*1950		1,450	1,005	235,200
SPECIES	RROUT, Kamloops Eggs. Fry. Fry. Figerling. Yearling.	TROUT, Lake Eggs. Frgs. Frgsrling. Yearing. Adult.	Fingerling Fingerling Yearling Yearling TROUT, Speckled Eggs Fry Fingerling Yearling Legal Size	WHITEFISH Eggs. 235,200 121,185 200,400 186,700 139,210 102,950 11,130 67,275 47,515 Fry. TOTAL.

^{*}Figures for 1947-1952 Compiled on Fiscal Year Basis.

**Rainbow Trout Included in Kamloops Trout Plantings.

³⁰

COMMERCIAL FISHING EQUIPMENT

	Total Value \$ 000°s	4,764	5,147	5,716	6,679	6.985	8,328	8,839	9,176	9,226	8,891	8,676	9,215	10,557	10,124
	Net	:	:	•		:	727	827	778	759	754	709	727	884	839
	Wharves and Piers	437	400	395	425	416	474	487	456	447	437	404	425	491	516
	Freezers & Ice Houses		486	477	477	476	462	493	482	442	426	412	464	564	558
	Seine	121	66	110	112	105	109	101	116	134	84	91	81	111	105
of Nets	Hoop	1,288	1,240	1,324	1,439	1,483	1,564	1,570	1,578	1,545	1,487	1,462	1,441	1,812	1,861
Number	Trap*	:				•	359	549	209	822	763	804	731	739	199
	Pound	1,079	1,135	1,152	1,214	1,204	1,127	1,078	878	787	784	671	713	723	744
1 2	Nets 000°syds	060,6	8,828	9,144	9,064	8,944	9,057	9,312	9,248	9,304	8,719	8,618	86848	9,718	9,523
ıts	Under 40 ft.	2,205	2,000	2,039	1,966	1,981	1,682	1,538	1,407	1,338	1,320	1,321	1,270	1,680	1,740
Boats	40ft.& Over	107	711	123	116	126	196	215	2 14	224	202	211	212	234	238
	No. of Men	4,244	4,020	3,930	3,886	3,833	3,878	3,807	3,657	3,483	3,135	3,066	3,224	3,527	3,409
nces	Total	• • • • • • • • • • • • • • • • • • • •	7747	2,675	2,722	2,894	3,115	3,098	3,200	3,379	3,470	3,684	4,029	4,170	4,176
Licences	Gill	:	•	1,071	1,021	1,063	1,124	1,098	1,045	1,066	1,032	1,038	1,100	1,117	1,089
	Year	1946	1048	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1900

* Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in Thousands of Pounds

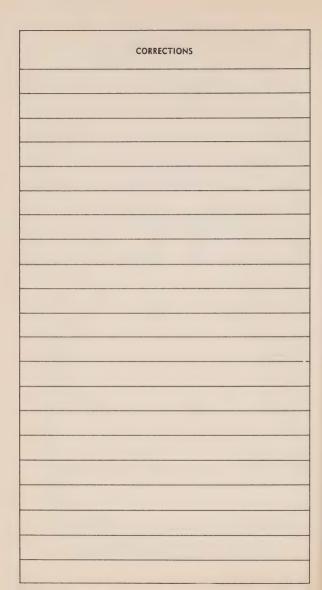
1960	3,305 467 1,124 321	1,865 130 33 2,227	614 63 12,774 3,702	966 85 11,539 11,666	1,616 286 3,845 3,845	47,397
1959	1,444 1,480 1,519 319	1,576 140 15 2,947	432 24 19,968 4,653	993 11,419 7,059 179	1,410 225 522 3,183 227	48,992
1958	1,850 635 1,350 1,350	1,269 133 22 1,917	484 26 16,299 7,825	1,017 1,817 4,967 243	1,509 276 622 3,278 2,212	47,172
1957	3,589 762 1,508	796 103 31 1,996	354 23 12,068 6,398 10,609	914 103 849 4,666	1,317 375 498 3,226 413	51,113
1956	63 5,795 1,906 1,299	923 55 84 1,142	451 20 11,843 12,019 11,673	904 133 774 4,016	1,394 416 641 4,049	59,717
1955	4,589 824 1,318 285	988 71 71 6	5,181 12,070 6,883	913 168 840 2,328 160	1,395 370 1,190 4,452 83	45,636
1954	6,202 6,202 837 1,428	920 80 87 1,375	426 13 8,203 8,210 5,196	1,148 212 853 1,550 172	1,485 376 1,562 6,844	47,679
1953	2,197 2,197 1,384 1,384	845 60 34 1,149	458 11 10,399 4,650	964 250 849 1,326 193	1,568 469 1,862 10,214 83	44,839
1952	80 1,442 815 1,130 370	489 66 102 1,598	247 2,738 7,447 4,760	1,056 362 1,121 662 183	1,485 2,181 9,426 65	38,044
1921	610 793 284	438 50 50 114 1,428	3,375	1,005	1,975 7,180 4,787	30,972
1950	601 806 294	1 400 30 84 1,572	2,710 8,665 3,510	875 343	2,044 6,589 4,064	32,756
SPECIES	Bass, Rock; Crappies Bass, White Bullheads Catfish	Caviar	Ling. Menominee, Pilots. Perch. Pickerel, Bluc. Pickerel, Yellow.	Pike, Northern. Saugers. Sheepshead. Smelt. Sturgeon.	Suckers. Sunfish Trout, Lake Whitefish	TOTAL VALUE (000's \$).

YIELD OF ONTARIO FISHERIES in Thousands of Pounds

Value \$ 000	2,615 2,644 2,574 2,565	22,226 32,147 4,704 4,389	5,484 5,597 5,735 5,497	6,252 7,044 7,417 7,037	6,783 7,928 7,047 7,274 4,866
Total	34,255 36,093 34,914 33,850	27,967 26,950 26,381 30,595 30,041	34,278 33,000 24,922 28,942 34,061	32,756 30,972 38,044 44,839 47,679	45,636 59,717 51,113 47,172 48,992
Southern Inland	925 754 717 655	609 517 546 618 482	606 679 448 735 607	555 707 678 827 712	615 593 493 432
Northern Inland	4, 488 4, 447 4, 598 4, 883	4,734 4,570 4,961 4,961	5,040 4,719 4,802 4,629 5,254	5,229 5,728 6,221 6,080 6,080	5,627 5,878 5,764 7,316 7,617
Lake Superior	4,899 4,509 4,057 3,307	3,319 3,362 3,362 3,761	3,812 2,889 2,830 3,371 3,188	2,655 2,851 3,127 2,771 2,890	2,540 2,145 2,797 2,871 3,850
North Channel	1,417 1,307 1,194 960	792 242 4872 4872	434 290 267 445 550	666 848 848 848 848 868 868 868 868 868	244 187 191 171
Georgian Bay	2,862 3,079 3,082 2,989	2,659 2,734 2,163 2,010 1,545	1,524 1,292 666 1,563	2,794 3,720 5,359 6,876 4,292	2,298 1,113 664 407 225
Lake Huron	3,511 3,189 3,009 2,496	2,211 2,148 2,081 1,836 1,460	1,071 954 1,107 1,440 1,260	1,301 1,474 1,736 1,396	1,262 1,463 2,023 2,203
Lake St. Clair	650 766 669 784	835 992 598 449	503 493 466 437 540	469 389 792 983 1,021	1,029 1,113 1,113 845
Lake Erie	11,954 14,665 14,502 14,264	9,768 8,951 10,038 14,483	18,950 18,925 12,334 14,926 19,093	16,866 13,114 17,417 23,389 28,912	30,285 44,682 37,105 30,751 31,597
Lake Ontario	3,154 3,377 3,086 3,512	3,040 3,126 2,488 2,281 2,637	22,003 2000,000 0000,000 0000,000	2,219 2,411 2,281 1,914	1,943 2,627 1,997 2,098 2,051
Year	1936 1937 1938 1939	1940 1941 1942 1943	1945 1946 1947 1948	1950 1951 1952 1953	1955 1956 1957 1958 1959

NEW POLICIES

NEW POLICIES



FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1886. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees...the net expense to the province was under \$4,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers! fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

ORGANIZATION

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E. J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively. J.A. Brodie acted for Mr. Mills during his absence on war service.

T.E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

FOREST PROTECTION BRANCH

Chief: T.E. MACKEY

Assistant Chief: J.M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records
Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste, Marie)

Acting Supervisor: W.B. Buckworth

Procurement, Operation and Maintenance of fleet of aircraft Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudburry, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V.H.F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over; 44 lives were lost; property damage was \$6,000,000.

FORT FRANCES, 1938 - Seventeen deaths were caused by forest fires.

MISSISSAGI, 1948 - A major disaster was followed by the salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds in the latter part of June resulted in widespread fires which destroyed more than 1,000,000 acres.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W.Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Four Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

In spite of unfavourable flying conditions, only 25 aircraft have been written off. The last of 19 flying fațalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically.

ESTIMATED FIRE DAMAGE

PRIVATE	DAMAGE	\$103,682		81,778			22,319	113,751				•
TOTAL	DAMAGE	\$ 55,148	389,447				3,068,152	463,059	311,503	22,041	438,094	•
UCTION*	Total	\$ 19,538	93,552	97,654	157,154	913,953	197,901	34,808	88,818	7,332	9,764	•
DAMAGE TO REPRODUCTION	Private	\$10,927	1,121	9,843	793	13,622	2,411	11,722	35,242	4,752	1,427	•
DAMAGE	Crown	\$ 8,611	92,431	87,811	156,362	900,331	195,491	23,086	53,576	2,579	8,337	•
nly)	Total	\$ 35,609	295,895				2,870,251	428,252	222,685	14,709	428,330	•
TIMBER DAMAGE (Crown Dues, Only)	Private	\$19,365 \$	1,880	16,880	838	2,870					2,470	•
TIM (Cro	Crown	\$ 16,244	294,015	279,340	248,249	2,671,857	2,868,133	406.376	173,377	13,882	425,860	•
AGE .)	Total	3,561 \$	29,590	29,622	24,909	267,773					21,416	982,702
(000°s Cu. Ft.)	Private	1,937	188	1,688	84	587	74	1,014	2,465	42	123	752
MIT (00)	Crown	1,624	29,401	27,934	24,825	267,186	155,305	20,107	8,721	089	21,293	981,950
	Year	1950	1951	1953	1954	1955	1956	1957	1958	1959	1960	1961

* Protection Charges, 1950-1955.

FOREST FIRE SUMMARY

	NUMBER C	F ACRES BUI	RNED OVER	Mumbon	A
Year	Crown	Private	Total	Number Of Fires	Average Acreage
1017			294 164	1,110	346
1917	*****	******	384,164	965	31
1918	*****		30,172		518
1919	•••••	*****	922,161	1,780 1,287	279
1920	•••••	•••••	358,851	1,40/	4/7
1921	•••••	•••••	749,534	1,269	591
1922	•••••	•••••	346,193	1,021	339
1923	******	******	2,120,148	1,343 851	1,579
1924	******	******	146,017 189,543	1,149	165
1925	*****	•••••	107,343	1,147	103
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	189
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	45,510	966	47
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961*	1,181,180	3,818	1,184,998	1,305	908

^{*}Preliminary report to December 1st, 1961

1961 FOREST FIRES (Preliminary Report)

DISTRICT	ACRES BURNED	NUMBER OF FIRES	AVERAGE ACREAGE
Chapleau	361	7	51 1
Cochrane	777	18	43
Fort Frances	5,232	95	55
Geraldton	308	5.5	56
Gogama	2	13	
Kapuskasing	42	12	31
Kenora	34,155	250	136₺
Lake Huron	3	3	1
Lake Simcoe	2	2	1
Lindsay	122	50	21
North Bay	128	38	31/2
Parry Sound	158	77	2
Pembroke	66	38	11
Port Arthur	8,887	92	961
Sault Ste. Marie	347	75	46
Sioux Lookout	1,131,092	201	5,627
Sudbury	659	115	5½
Swastika	265	23	111
Tweed	2,341	100	23½
White River	51	41	1
MONTHS			
April	1,125	88	14
May	3,716	311	12
June	1,153,050	317	3,637
July	17,115	210	811
August	8,348	253	33
September	41	32	1
October	66	63	1
November	1,537	31	50
Total	1,184,998	1,305	908
	<i>4</i> 1		

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

	ORIGIN	1947	1948	1949	1950	1921	1952	1953	1954	1955	1956	1957	1958	1959	1960	*1961
	Settlers	75	147	152	107	74	112	92	42	148	49	125	123	52	55	79
	Campers	298	432	451	256	191	315	388	221	390	961	379	325	323	265	289
	Smokers	248	461	340	258	173	214	279	147	298	145	342	371	159	116	200
	Railways	180	333	138	66	139	131	188	82	189	122	176	149	67	49	64
	Road Construction	30	46	85	47	28	26	13	11	13	34	73	63	12	18	15
	Logging	26	52	52	39	90	31	24 -	13	53	22	39	17	25	30	19
	Mining	9	9	9	10	12	r	7	63	11	9	7	1	64	7	*
42	Prospectors	6	64	9	-	:	:	1	7	11	00	60	1	*	п	H
	Incendiary	15	35	32	16	16	13	19	25	31	00	26	43	13	12	31
	Miscellaneous	31	31	94	89	74	108	143	74	148	123	194	229	116	97	140
	Unknown	42	55	10	00	00	10	14	6	32	7	32	17	*	11	12
	Lightning	410	433	468	93	151	130	357	252	928	302	275	219	242	310	451
	Total	1,393	2,036	1,834	985	904	1,095	1,520	881	2,252	1,017	1,671	1,558	1,027	926	1,305
	Man Caused - Total	983	1,603	1,366	892	753	965	1,163	629	1,324	715	1,396	1,339	785	646	854
	Percentage	71	79	74	91	83	88	77	71	59	70	Z	98	16	89	65
	Prosecutions	•	•	•	•	•		•	•	•	62	55	71	38	31	54
	Convictions	•	•	•	•	•	•	•	•	•	56	41	62	35	30	47
	* Preliminary Report to December 1st, 1961	ort to Dec	cember 1	st, 1961.												

MEANS OF DETECTION	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	*1961
Towers	424	575	630	352	310	344	528	353	168	262	575	581	414	304	420
Aircraft	264	411	337	117	122	139	216	126	395	189	202	121	91	158	252
Rangers	158	241	168	93	73	83	122	46	102	22	141	87	99	63	64
Public	547	808	669	423	400	530	654	356	864	209	753	692	458	431	536
SIZE	1947	1948	1949	1950	1921	1952	1953	1954	1955	1956	1957	1958	1959	1960	*1961
acre	412	571	574	260	329	391	200	354	846	395	575	490	470	416	483
4-5 acres	626	894	811	426	383	516	719	392	1,004	456	741	753	434	398	579
5-10 acres	6	155	122	93	45	92	102	36	120	46	120	108	29	20	82
10-100 acres	177	285	242	155	115	103	146	81	188	99	187	178	26	59	107
100-500 acres	20	74	61	43	21	16	33	6	512	26	37	30	6	23	12
500-1,000 acres	12	24	16	63	rð	65	7	7	16	4	7	*	٦	ıc	00
1,000-10,000 acres	19	34	7	9	4	-	13	rU.	18	21	m	ro	*	Ŋ	12
Over 10,000 acres	:	6	1	٥ •	7		• •	64	00	65	1	•	•	0 0	19
AVERAGE SIZE (Acres)	09	200	33	37	112	11	39	62	176	222	38	24	ro	33	806

43

* Preliminary Report to December 1st, 1961

FOREST PROTECTION PERMITS

		WORK	PERMITS	TRAVEL	PERMITS
	Fire	,, 01,11		2101122	
Year	Permits	Permits	Men	Permits	Persons
1926	13,466	••••		*:*:::	
1927	13,593	• • • • •	• • • • •	6,548	15,669
1928	13,611	• • • • •	• • • • • •	15,406	42,566
1929 1930	14,038 15,094	••••	• • • • • •	20,738 36,799	51,443 91,457
1750	13,074	••••	•••••	30,777	71,407
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	• • • • •	•••••	9,774	28,606
1936	18,964	••••		8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471

MAJOR EQUIPMENT March 31st

1	1961	1,225 8,237 3,664	2,433 1,750 31,946	199	930 538 807 42	6	945 277 194	41	14	1,564	318
	11										
	1960	1,271 8,344 3,712	2,391 1,739 30,540	629	954 534 809 44	9	905 263 184	42	13	1,294	315
	1959	1,396 8,336 3,551	2,483 1,671 29,024	647	1,005 519 785 48	7	918 249 186	224	10	1,140	308
	1958	1,255 8,712 3,890	2,438 1,597 29,505	615	1,052 493 800 59	9	861 205 312	24	14	1,047	302
	1957	1,215 7,899 3,312	2,469 1,538 29,288	609	1,073 459 771 60	4	751 166 134	46	10	899	292
	1956	1,218 7,907 3,319	2,376 1,506 31,582	642	1,087 434 771 64	•	786 141 121	47	00	825	288
	1955	1,097 6,362 2,714	1,997 1,365 32,668	573	1,114 418 752 55	•	715 107 101	45	7	801	280
	1954	1,062 6,406 2,826	2,030	575	1,061 379 690 61	•	730	49	:	989	279
	1953	1,029 6,206 2,743	1,841	556	1,142 373 648 63	:	666	50	:	613	279
	1921	976 6,154 2,266	1,698	445	1,084 278 552 63	:	491	4 :	•	397	271
	1950	896 5,717 2,144	1,567	382	1,003 231 501 57	:	400	4 :	:	347	231
	1949	838 4,622 2,148	1,611	369	1,051	•	318	35	:	310	230
	1948	795 4,309 2,110	1,558	325	1,041	•	279	47	:	285	234
		Portable Power Pumps Portable Hand Pumps. Hose (000's Feet)	Tents Eiderdowns	Binoculars	Canoes	Barges and Scows	Trucks and Autos Trailers	Railway Motor Cars	Snowmobiles	Radio Sets, Stations	Steel Towers

MAJOR EQUIPMENT March 31st, 1961

1		a s																																-	
		Mtr. oci- Snow Cars pedes Cars	:		1	_	:	7	:	1	:			-	:	1	7	:		3	1		7								:	:		:	14
- 1	vel-	Mtr. oci- Cars pedes	:	:	:	:	3	•	•	7	:	:	:	:	:	3	:	:	:	3	:	•	•	7	•	•	•		•	0	:		•	:	18
i	KIY	Mtr. Cars	:	:	00	:	4	7	•	00	:	-	:	:	:	:	4	:	2	3	-	:	_	7	:	•	•	•	:	:	:	:	•		41
	E	ges Veh's ers ors	12	ro	7	S	ro	4	12	7	13	7	17	25	9	4	10	00	10	3	7	9	4	3	:	-		:	•		m	7	64	9	194
		Trail- ers	18	7	11	S	7	9	28	10	12	S	24	18	7	17	13	0	0	2	00	19	20	7	:	•		:	:	•	-	7	•	10	277
		ges Veh's	43	26	40	22	40	19	52	32	21	42	20	26	46	43	23	44	28	28	45	29	48	35	-	:		:	:	:	IQ.	23	n	29	945
	Scows	ges ges	:	:	:	:	-	7	:	:	:	-	1	:	:	:		~	-	:	7	:		:	:	:	•	:	:	•	:	:	-	:	6
	-u-	bd. Bts.	S	:	3	7	3	7		:	-	S	:	-	-	7	-	:	:	7	œ	:	7	:	•		:	:	:	•	:	:	4	-	42
		lotors	13	24	43	33	40	22	15	34	17	31	36	23	53	52	20	26	26	26	45	30	44	26	63	:	:	:	:	:	:	M)	27	33	807
., .,	:	Outboard Boats Motors	13	10	14	29	9	10	19	œ	23	28	38	23	36	44	33	21	13	18	28	22	46	12	1	:	:	:	:	:	:	4	9	33	538
100		Can- oes Bo	4	0,	25	4		99	2	94	_	82	00	4	4	88	17	12	15	55	25	22	5	69	п				•		•	6	0	28	930 5
747007				4	4,	(1)	•	117				4				11)		4	4		υ,	11,	_			•	•	٠	•	٠	•				
2	Bin-	ocu-	29	21	39	23	31	20	21	34	11	26	30	24	36	33	17	34	31	25	33	20	39	23	:	:	:	:	•	ĭ	•	4	•	56	661
		Blankets	14	1.709	1,831	1,084	2,037	1,587	18	1,729	22	518	677	326	845	1,438	1,989	1,385	2,953	2,007	2,193	947	452	626	1,294	1,193	464	140	•	900	:	918	182	115	31,946
	Sleep-	ing Bags	7	22	83	84	82	36	10	26	6	53	43	8	119	85	106	80	69	92	20	29	63	09	7	7	•	:	•	:	:	1	155	277	1,750
		Tents	:	125	134	97	186	67	4	107	9	83	37	14	122	56	107	125	181	180	132	88	45	116	62	72	46	9	•	52	:	9	-	176	2,433
	000°s ft.	Fire	30	134	209	133	275	134	36	135	28	194	122	63	126	133	152	179	209	297	222	138	92	140	180	80	-	91	•	114	==	14	•	4	3,664
	Portable	Dumps wer Hand	115	200	786	129	694	265	145	494	131	167	321	246	239	299	300	241	408	469	358	314	368	318	511	120	179	165	•	230	•	25	:	:	8,237
	Port	Power Hand	12	44	29	47	87	37	16	48	15	65	46	32	20	46	41	65	89	94	57	37	40	48	45	31	20	20	:	34	:	7	•	14	1,225
	DISTRICTS	REGIONS AND OTHERS	Avlmer	Chapleau	Cochrane	Fort Frances	Geraldton	Gogama	Hespeler	Kapuskasing	Kemptville	Kenora	Lindsay	Maple	North Bay	Parry Sound	Pembroke	Port Arthur	Sault Ste. Marie	Sioux Lookout	Sudbury	Swastika	Tweed	White River	Central	South-Central	Western	Mid-Western	South-Eastern	Northern	South-Western	Ranger School	Air Service	Head Office	T0TAL 1.225

AIR SERVICE SUMMARY, Hours Flown in years ending March 31st

1				
Effective Load (tons)	22,234	3,367 3,164 3,079 3,918	3,429 6,091 3,481 3,497 4,871	4,198 4,638 75,450
Per- sonnel Carried	89,206 5,918	5,140 5,410 5,346 7,245	5,465 6,723 5,099 5,349 5,197	4,926 4,833 155,857
Passengers Carried	165,583	27,140 30,439 25,900 31,109	29,256 46,478 28,789 28,636 27,506	27,600 4,926 29,069 4,833 528,192 155,857
Total Flying 1 Hours	175,290	11,057 12,800 11,889 13,564	12,389 17,785 11,692 12,506 12,278	11,984 12,569 329,333
cy hts No.	::	• • • • • • • • • • • • • • • • • • •	28 17 22 28 21	20 21
Mercy Flights Hrs. No.	361	64 168 56 53	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	42 72 72 9022
Comm. Flying	279	233 188 150 574	398 458 384 327 421	475 42 470 72 4,356 1,022
Photo	1,415	273 280 187	244 130 148 24	2,701
Surveys	::	97	181 128 72 23 15	111 4
Re- search	1,442	303 360 266 386	284 192 199 212 189	228 200 4,261
Parks	::		311	345 255 1,183
Lands Parks	110	283 153 149 376	246 181 180 190 200	209 345 267 255 2,544 1,183
F&W Mngt.	2,985	2,029 2,086 1,980 1,972	2,362 2,333 2,289 2,837 3,615	3,569 3,455
Timber Mngt.	604	938 903 674 982	1,048 835 986 801 876	
Fire	88,732	4,211 5,498 5,278 6,302	5,095 11,396 5,347 5,652 4,275	4,053 883 4,914 965 157,678 10,496
Year	1924- 1949 1950	1951 1952 1953 1954	1955 1956 1957 1958 1959	-

PILOTS' FLYING TIME

SURNAME	Initials	1924-60	1960-61	Total
Allen	DW	2,220:30	213:45	2,434:1
Ballantyne	DE	1,251:20	292:20	1,543:40
Beaushene	GD	2,688:50	355:45	3,044:3
Bieck	AH	591:00	522:30	1,113:30
Burtt	AE	7,324:50	366:50	7,691:4
Calver	DH	2,491:20	403:25	2,894:4
Campbell	GE	3,832:40	501:35	4,334:1
Colfer	AP	5,154:20	721:35	5,875:5
Cooke	TC	5,753:20	575:45	6,329:0
Cram	WW	654:25	258:00	912:2
Croft	BR	751:55	366:30	1,118:2
Croal	DM	643.20	359:25	1,002:4
Denley	JG	6,851:35	313:50	7,165:2
Evans	FB	3,770:30	311:55	4,082:2
Fiskar	UW	3,121:25	364:15	3,485:4
Glennie	NA	1,773:45	396:25	2,170:1
Hoar	HA	2,593:40	201:40	2,795:2
Hoeberg	PS	2,510:05	315:20	2,825:2
Hugill	WA	1,893:20	301:45	2,195:0
Kincaid	J	6,629:20	452:50	7,082:1
Kirk	CJ	4,094:35	360:10	4,454:4
Lamont	JA	3,122:05	281:55	3,404:0
LeFeuvre	CJ	8,299:05	359:25	8,658:3
Lowe	В	1,020:00	259:25	1,279:2
McDougall	FA	4,976:20	95:25	5,071:4
North	DH	536:35	356:25	893:0
Parsons	R	6,947:30	258:50	7,206:2
Ponsford	GE	1,480:55	10:10	1,491:0
Poulin	LD	7,563:40	201:10	7,764:5
Reid	DM	3,846:00	338:15	4,184:1
Siegel	J	4,470:15	347:05	4,817:2
Speight	HC	6,626:05	576:50	7,202:5
mith	AB	6,736:55	314:00	7,050:5
Taylor	JM	3,395:55	66:05	3,462:0
Thomas	E	3,024:05	333:05	3,357:1
Thompson	FJ	2,133:05	265:50	2,398:5
Trussler	GE	6,974:15	287:30	7,261:4
Turcotte	LG	699:15	261:30	960:4
Other Pilots		178,316:45	*****	178,316:4
Total Hours		316,764:50	12,568:30	329,333:20

AIRCRAFT SERVICE RECORD

		Effective	FLYING	HOURS
45 AIRCRAFT	Year Purchased	Load (tons) 1960-61	1960-61	1924-61
37 BEAVER	-			
CF-OBS	1948	81	264:05	4,692:1
CF-OBU	1948	114	230:55	3,982:3
CF-OBV	1948	1	5:40	3,885:5
CF-OBW	1948	22	87:45	3,526:4
F-0BX	1948	74	63:05	4,083:3
F-OBY	1948	#	3:00	3,638:4
CF-OBZ	1948	81	318:25	4,085:2
CF-OCA CF-OCB	1948 1948	91 205	354:55	3,634:4 4,249:4
CF-OCC	1948	49	332:05 196:15	3,740:4
CF-OCD	1948	55	213:10	3,468:0
CF-OCE	1949	100	279:30	4,303:4
CF-OCG	1949	59	256:00	3,361:0
CF-OCH	1949	109	475:50	3,662:2
CF-0CJ	1949	103	343:05	3,221:3
CF-0CK	1949	124	336:15	3,719:0
CF-OCL	1949	51	200:00	3,584:3
CF-OCN	1949	95	309:30	4,033:4
CF-0C0	1949	160	451:30	3,866:2
CF-OCP	1949	193	600:45	4,024:0
CF-0CQ	1949 1949	117 21	345:00	4,196:1
CF-OCT	1949	96	141:00 349:30	4,011:0 3,809:4
CF-OCU	1950	113	290:10	3,633:5
CF-OCV	1950	92	334.25	2,846:0
CF-OCX	1950	233	501:35	3,215:5
CF-OCY	1950	82	258:30	3,038:1
CF-0CZ	1950	63	136:40	2,363:3
CF-ODA	1951	10	89:15	2,930:3
CF-ODB	1951	108	316:50	3,548:0
CF-ODC	1951	149	573:25	4,284:3
CP-ODD	1951	5	42:45	838:1
CF-ODE	1951	58	455:30	2,548:1
CF-ODF	1952 1952	83 113	303:10 467:00	3,189:4 3,278:5
CF-ODO	1955	13	106:30	605:1
CF-ODS	1956	11	84:40	323:3
7 OTTER				
CF-ODJ	1953	237	353:55	2,121:0
CF-ODK	1953	182	228:35	2,149:3
CF-ODL	1953	243	287:00	2,092:4
CF-ODP	1956	178	269:40	1,217:1
CF-ODQ	1956	151	293:10	1,597:0
CF-ODT	1957	354	576:50	1,815:2
CF-ODU	1960	138	224:45	224:4
WIDGEON				
CF-ODR	1956	19	216:55	1,082:4
All Other Ai	rcraft			190,665:5
TOTAL:		4,638	12,568:30	328,392:1

AIR SERVICE BASE OPENING DATES (or First Float Flying)

1943	2722	18 May 12 May 18 May 28 May 11 May	11 May 22 May 21 May 10 May	17 May 7 May 18 May 19 May
1942	April May April April	29 April 29 April 1 May 8 July 4 May	29 April 4 May 5 May 24 April	29 April 29 April 29 April 5 May
1941	21 April 10 May 2 May 2 May	1 May 30 April 13 May 12 May 1 May	14 May 1 May 10 May 17 May	I May 30 April 3 May 12 May
1940	5 May 19 May 7 May 15 May	18 May 15 May 22 May 28 May 9 May	24 May 9 May 23 May 29 May 2 May	18 May 4 May 7 May 23 May
1939	7 May 15 May 12 May 11 May	12 May 9 May 16 May 19 May 14 May	29 May 12 May 13 May 22 May 28 April	11 May 5 May 13 May 18 May
1938	6 May 24 May 2 May 11 May	14 May 12 May 9 May 14 May	18 May 14 May 16 May 16 May 21 April	5 May 30 April 3 May 16 May
1937	3 May 17 May 8 May 13 May 25 May	17 May 15 May 7 May 10 May	27 May 27 April 14 May	13 May 4 May 18 May
1936	4 May 24 May 14 May 19 May 19 May	19 May 18 May 24 May 24 May	28 May 15 May 1 June 1 April	18 May 8 May 1 June
1935	1 May 21 May 14 May 3 May 17 May	15 May 10 May 20 May 23 May	3 May 23 May 2 May	16 May 2 May 21 May 16 May
1934	4 May 25 May 14 May 15 May 20 May	16 May 11 May 19 May 26 May	12 May 25 May 24 April	16 May 8 May 26 May 19 May
1933	29 April 27 May 15 May 16 May	3 July 10 May 16 May 10 June	6 May	10 May 3 May 14 May 15 May
BASE	Algonquin Park Caribou Lake Biscotasing Gove Island	Ignace	Pickle Lake Port Arthur Red Lake Remi Lake Sault Ste. Marie.	Sioux Lookout Sudbury Temagami Twin Lakes

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

1	l		_			
954	April May May May	May May May	May May April May	April May June May	May April May May April	May May
1 21	18 17 4 4 4 7 7 7 4	13 N 13 N 18 N 18 N	118 M 118 M 115 M	20 12 20 A 27 21 A 32 A	119 M 20 M 20 M 20 M	22 M 18 M
	7	April fay fay fay fay fay fay	.,4.,	=.		
1953	April May May May		May Apri May May	Mar. May May April May		April May May
	21 15 14 8		7 18 10 8	30 13 30 8	13 27 20 20	28 13 11
1952	April May May May	April May May April May	May May May	April May April May	May April May May April	May May
19	427 M M M M M M M M M M M M M M M M M M M	30 A A A A A A A A A A A A A A A A A A A	74 :WZ	22.723 32.723	28 H 3 7 Z	1 M
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1951	April May April	~~~~	May May May May	April May May May May	May April May April	1 May 1 May
	30 30	2497	100	17 17 17 15	30 30 25	:
0	May June May	May May May	May May May	April May June May May	May April May May April	May May
1950	17 M 1 J 10 M 20 M	28 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 May 8 May 23 May	27 A B B B B B B B B B B B B B B B B B B	23 M. A.	15 May 30 May
	7 ·	= =		= =		
1949	2 April 9 May 10 May 7 May	May April May April May	3 May 10 May 12 May	April May May April May	May April May May April	April
	2 . 6 0 7	30 30 30 3	201	13 7 9 30 3	233374	12
00	April May May April	May May May April May	May May May	May May May May	May April May May April	April May
1948	19 A	8 M. 11 M. 12 M. 27 A. 10 M.	8 May 5 May 18 May	12 Me 8 Me 18 Me 13 Me 13 Me	10 Ma 14 Ap 12 Ma 1 Ma 27 Ap	27 Apri 14 May
1947	8 May 3 June 17 May	May May May	20 May 27 May 12 June	May May May May	June April May May	May June
-	8 : 6 : 7	20 11 20	20 27 12	14 16 16 26	30 27 14	17 8
9	April May	April May	May May May	April May April May	May April May May April	April May
1946	30 Ap 23 Ma 22 Ap	27 April 7 May	14 May 7 May 7 May	30 Ap 26 Ma 30 Ap 7 Ma	11 Ap 3 Ma 3 Ma 3 Ma 13 Ap	23 Ap 22 Ma
1945	April May April	27 April	10 May 5 May 23 May	9 May 2 May 10 May	May May May	April May
-	26	27	10	0 70	3 May 10 April 10 May	120
	> - > - >	• > > • >	• > • > >			>> .
1944	3 May 19 May 7 May	15 May 14 May 19 May	20 May 17 May 23 May	5 May 16 May 19 May	17 May 27 Apri 15 May 8 May	8 May 18 May
	• = •		.2		H 2 H . 80	∞ ∞ ÷
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50	Par ake.	· · · · · · · · · · · · · · · · · · ·		de de	Ste. Marie Lookout Porcupine.	
BASE	Lak Lak ou L sau.	Franciton	ari.	Sour Plat Lab	Ste. Lool Porc	akes
	Algonquin Park Carey Lake Caribou Lake Chapleau	Eva Lake Fort Frances Geraldton	Kenogmi Kenora Lauzon Lake Oba Lake	Parry Sound Pays Plat Pickle Läke Port Arthur	Remi Lakesault Ste. Marie Sioux Lookout South Porcupine.	Temagami
	₹000£	H G G G	O O	P P P P P P P P P P P P P P P P P P P	Sus	Te

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

1961	4 May 10 May 24 May 4 April					17 May 25 April 21 May 12 May
1960	2 May 23 May 22 May 11 May		: 327	27 April 12 May 20 May 13 May 16 May	19 May 11 April 16 May 16 May 4 May	11 May 28 April 25 May 20 May
1959	5 May 12 May 15 May 4 May 1 Lake)	28 April 10 May 6 May 8 May 12 May	20 April 8 May 11 May rt Arthur)	27 April 8 May 15 May 24 April 14 May	12 May 8 April 14 May 8 May 1 May	8 May 27 April 15 May 12 May
1958	11 23 April 5 May 12 May 15 May 15 May 15 May 15 May 15 May 16 May (Moved to Nym Lake)	18 April 5 May 2 May 4 May	May 15 April 30 April 17 April 20 April 27 April 20 May 4 May 11 May (Moved to Port	21 April 2 May 16 May 30 April 2 May	7 May 26 March 1 May 2 May 18 April	2 May 18 April 13 May 2 May
1957	25 April 7 May 13 May 3 May 6 May (May 6 May 6 May (May 6 May 6 May (May 6 May 6 May 6 May (May 6 May 6 May 6 May 6 May (May 6 May	Casas	6 May 29 April 9 May 13 May (M	28 April 6 May 13 May 29 April 9 May	6 May 29 April 10 May 6 May 1 May	3 May 28 April 10 May 10 May
1956	11 May 27 May 1 June 14 May 16 May		17 May 7 May 16 May 1 June	3 May 15 May 1 June 30 April 19 May	21 May 3 May 19 May 15 May 9 May	17 May 17 June 21 May
1955	21 April 30 April 1 May 22 April		27 April 19 April 28 April 1 May	18 April 4 May 6 May 22 April 28 April	29 April 19 April 27 April 27 April 19 April	26 April 6 May 29 April
RASE	Algonquin Park Carey Lake Caribou Lake	Eva Lake Fort Frances Geraldron Gogma Kenogami	Kenofa	Parry Sound Pays Plat Pickle Lake Port Arthur	Remi Lake Sault Ste. Marie Sioux Lookoute South Porcupine.	Temagami Tweed Twite River

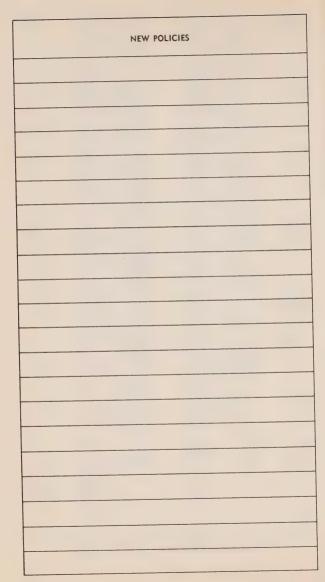
DEPARTMENT RADIO STATIONS

			FREQU	PERATING JENCIES
DISTRICT	STATION	CALL SIGN	H.F. Kc/s	V.H.F. Mc/s
FORT FRANCES	Fort Frances Lac La Croix	XLN21 XLN22	4460	46.62
FRANCES	Atikokan	XL071		#
	Rainy River	XLR59		
	French Lake	XMN23		
	Nym Lake	XLN234	#	Ħ
	Cache Bay	XLN233	19	*
	Prairie Portage	XLN232	W	18
	Cabin 16	XLN29	Ħ	*
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32		*
	Sioux Narrows	XLN42	#	
	Dryden	XLN35		
	Nestor Falls	XLN24		"
	Vermillion Bay	XLS37		-
	Dyment	XLC96		
SIOUX	Sioux Lookout	XLN37	4460	46.86
LOOKOUT	Red Lake	XLN43	H	11
	Pickle Lake	XLN38	м	**
	Armstrong	XLN40	н	16
	Ear Falls	XMN50	*	Ħ
	Winisk	XLR62	Ħ	
	Ignace	XLN23	*	**
PORT	Port Arthur	XLN45	4580	46.70
ARTHUR	Shebandowan	XLN47	*	
	Black Sturgeon Lake	XLN48		
	Upsala	XLN2 17		_
	Saganaga Lake Dorion	XLN218 XMN78		11
GERALDTON	Geraldton	XLQ35	4580	46.78
GENORED E ON	Pays Plat	XLN56	1000	. #
	Marathon	XLN54		
	Killala Lake	XLN55	8	
	Hillsport	XLQ46	19	98
	Nakina	XLS53	н	81
	Longlac	XLS52	n	18
	Macdiarmid	XLN49		**
WHITE	White River	XLQ78	4880	46.62
RIVER	Franz	XLN62	n	
	Wawa	XLN63	n n	*
	Mobert	XLN61	n	
	Manitouwadge Lake	XMN25	"	
SAULT	Sault Ste. Marie	XLN58	4880	46.78
STE. MARIE	Blind River	XLN65	19	
	Ranger Lake	XLN261 XLN264	н	16
	Elliot Lake Peshu Lake	XLQ41	**	
	Sand Lake	XLQ77	н	
	Pancake Bay	XLR39	n	
	Kirkwood	XLP44		
	Mount Lake	XLR69	H	H

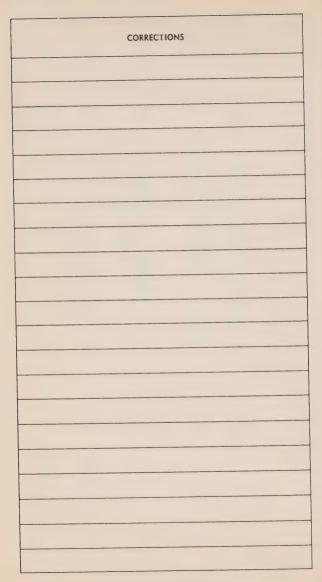
GOGAMA	Gogama	XLN78	4880	46.82
000,000	Elsas	XLN79	*	#
			*	
	Foleyet	XLN84		
	Opishing Lake	XMN42		
	Ronda	XLP69		
CHAPLEAU	Chapleau	XLN82	4880	46.70
CHAI LLAU	Missanabie	XLR52	#	я
	Sultan	XLQ73		_
	Biscotasing	XLN80		
	Unegam Lake	XLN205	m m	
	Racine Lake	XMN77		
SUDBURY	Sudbury	XLN77	4880	46.86
SODDOKI	Skead	XL080	#	1000
	Espanola	XLQ44		
	Jamot	XLR30		
	Massey	XLR29	*	*
	Windy Lake	XLR67	#	#
	Southbaymouth	XLS86	18	W
	Sandfield	XLR68	19	*
	Stinson	XLN239		_
	Fairbank Lake	XLN39		*
	Killarney	XLS85	#	*
KAPUS-	Kapuskasing	XLP78	4535	46.86
KASING	Hearst	XLN69	1000	10000
MAJING		XLN73		н
	Hornepayne			
	0ba	XLN74	•	
	Nagogamisis Lake	XLN237		
	Little Long Rapids	XLN240		W
	Rogers Township	XLR71		
	Kogers Township	Jenney L		
COCHRANE	Cochrane	XLQ37	4535	46.78
COCHRAIG			4000	40.70
	Timmins	XLN70		
	Eades	XLN71		
	Wade Lake	XLQ45		*
	Moosonee	XMN43	98	18
	Smooth Rock Falls	XLQ76		W
	Nellie Lake	XLN208		w
	Kettles Park Lake	XLN209		
		*** *** *		47 70
SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72		
	Matheson	XLS54		
	Larder Lake	XLN95		w
	Matachewan	XLN60		
	Gowganda	XL090		
	Hills Lake	XL089		
	Englehart	XLR64		*
	Burt Twp. Nursery	XLN212		*
NORTH	North Bay	XLN83	4520	46.78
BAY	Temagami	XLN81	III.	W
2	Lady Evelyn Lake	XLN42		
	Latchford	XLN252		
	McConnell Lake	XLN246		-
	Bear Island	XLN251		
	Haddo	XLP45		*
	Devils Lake	XLN253		
	Field	XLN247		
	Samuel de Champlain			
	oumaci de champiain	• • • • • •		
PEMBROKE	Damhwaka	XLN92	47 75	46 96
FEITER UNE	Pembroke		47.75	46.86
	Smoke Lake	XLN90		
	Brent	XLN91		
	54			

PEMBROKE	Stonecliffe	XLN94	47.75	46.86
(Cont'd)	Whitney	XLQ43	N	1000
(****** 4)	Achray	XL047		**
	Round Lake			
		XLR40		**
	Kiosk			
	Sasajewun Lake		R	
	Swan Lake			
PARRY	Parry Sound	XLN89	4520	46.62
SOUND	Loring	XLN93	4020	40107
300110	Powassan	XMN35		
	Byng Inlet	XLS24		
	Ardbeg	XMN33		*
	Dorset	XMN34		N
	Bracebridge	XMN75		*
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50	#	400,0
	Palmer Rapids	XLR41		*
			W	
	Dacre	XLS23		
	Plevna	XLN53	*	
	Gilmour	XMN40		
	White Lake	XLP75		17
	Napanee	XLQ31		W
	Green Lake	XLR61	R .	
	OTCCH DURC	ALMOI		
LINDSAY	Lindson	VIDES	4775	47 50
LINDSAI	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	19	
	Gooderham	XMN27	n	
	Orono	XMN29		R
	Haliburton	XLR43	**	W
	Presqu'ille Park	XLN46		19
	Apsley	XMN44	19	19
	Ranger School	XLN25	*	
	Kanger School	ALIMA		
IONIANOS INTERN	77	373431 4 3	4000	47 70
KEMPTVILLE	Kemptville	XMN4 1	4775	46.62
	La Rose	XMN51		
	Westport			W
LAKE ERIE	Avlmer	XL052	4775	
	Holiday Beach Park	XLN267	W	
	Wheatley	XLN268	10	
	St. Williams	XMN28		
	Rondeau Park	XLR60		
	Pinery Park	XLP90	•	
LAKE	Coldwater	XMN36		46.82
SIMCOE	Severn Falls	XMN37		18
	Honey Harbour	XMN39		19
	Six Mile Lake	XLR85		18
	Angus	• • • • •		
189 4 5	* * * * * * * * * * * * * * * * * * * *	WI 002	4000	
HEAD	Island Airport	XL053	4775	
OFFICE*	Maple Laboratory	XLN20		
Toronto	Maple	XLP22	4520	46.62
			4535	46.70
			4775	46.74
			4880	46.78
			5410	46.82
			5499	46.86
			9160	

^{*} Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.



NEW POLICIES



LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

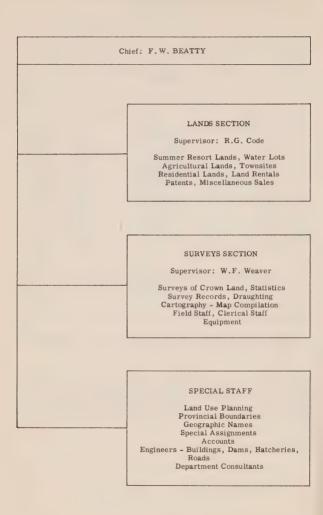
Samuel Holland Northern District of

	North America	1764-1801	Surveyor-General
	Sir D.W. Smith	1801-1805	Surveyor-General
	C.B. Wyatt	1806-	Surveyor-General
	Thomas Ridout	1807-1829	Surveyor-General
	Hon, S.P. Hurd	1832-1835	Surveyor-General
	J. Macaulay	1836-1838	Surveyor-General
	Hon. R.B. Sullivan	1838-1840	Surveyor-General
	Thos. Parke	1841-1845	Surveyor-General
*	G. B. Kirkpatrick	1880-1917	Director of Surveys
*	L. V. Rorke	1918-1928	Director of Surveys
1	L. V. Rorke	1928-1936	Deputy Minister/
			Surveyor-General
#	C. H. Fullerton	1936-1946	Surveyor-General
	F. W. Beatty	1946-	Surveyor-General

- Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Viç., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.
- Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.
- Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. F.W. Beatty was appointed Surveyor-General on May 1st, 1946.

LANDS AND SURVEYS BRANCH



SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	_	2,400-acre block
1835-1906	_	1,000-acre block
1859	-	Townships 6 miles square - no road allowances -
		Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 section
		with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, more than 1,100 townships have been surveyed and divided into lots and concessions. In addition, the boundaries of 1,300 unsubdivided townships have been surveyed.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The many requests for summer resort camp sites have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas. The present general policy is to sell land in accordance with registered Plans of Subdivision.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulations Act, 1916, leases have been granted for development of power plants with a total installed capacity of 4,380,490 horsepower. The installed capacity of plants not under lease from the Province (including Niagara plants) is 2,900,000 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments.

In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857. The annual report for 1867 states:

"Previous to Confederation, separate accounts were not kept of the Woods and Forests revenue."

Effective March 29th, 1961, the sections of The Public Lands Act dealing with agricultural land disposition were repealed. Under the same Amendment Act, provision was made for the establishment of the Public Agricultural Lands Committee.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

Effective March 5th, 1880, under 43 Victoria, Chap. 4, pine trees were reverved in locations subject to restricted cutting permitted by locatees but, when the patent was issued, all pine trees were reserved to the Crown.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

(The Rainy River Homesteads Act, 1897, reserved all pine trees in the location but passed all pine trees remaining at the date of patent with the patent. This provision is incorporated in The Public Lands Act of 1913).

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

DISPOSITION OF LAND BY PATENT - DOCUMENTS

in years ending March 31st (October 31st up to 1934)

	Free	Agri-	Summer	Town, City	
Year	Grant	cultural	Resort	Townplot	Total
1921	500	307	30	30	867
1922	460	328	12	50	850
1923	411	471	18	51	951
1924	357	399	22	73	851
1925	367	329	45	115	856
1926	367	392	24	102	885
1927	251	336	12	110	609
1928	255	252	26	99	632
1929	220	318	15	79	632
1930	245	460	122	74	901
1931	205	437	126	72	840
1932	151	357	129	70	707
1933	88	188	122	70	495
1934	154	173	112	69	528
1935	46	58	44	21	177
1936	162	187	101	68	530
1937	111	104	149	53	433
1938	165	213	165	53	603
1939	130	178	129	122	590
1940	151	148	106	106	527
1941	154	172	126	86	552
1942	131	137	98	85	474
1943	181	161	127	50	541
1944	218	359	231	76	954
1945	226	315	206	108	929
1946	216	321	277	130	1,049
1947	168	433	496	249	1,491
1949	107	225	756	146	1,421
1950	196	316	1,046	182	1,927
1951	150	256	1,125	143	1,849
1952	165	242	1,294	90	1,948
1953	120	256	1,263	126	1,935
1954	136	256	1,312	99	1,957
1955	87	188	1,479	70	1,987
1956	59	118	1,384	85	1,778
1957	40	126	1,164	7	1,469
1958	13	150	962	69	1,346
1959	36	118	1,220	104	1,587
1960	44	109	1,946	102	2,368
1961	29	108	1,841	94	2,231

DISPOSITION OF LAND BY PATENT - ACREAGE

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri- cultural	Summer Resort	City, Town Townplot	Total			
1921	60,181	31,391	155	49	91,776			
1922	64,813	43,120	70	90	108,093			
1923	54,350	56,953	55	45	111,403			
1924	52,423	49,471	72	25	101,991			
1925	49,228	41,777	101	31	91,137			
1926	47,115	47,493	58	35	94,701			
1927	33,882	42,326	31	37	76,276			
1928	35,903	31,069	55	127	67,154			
1929	30,185	41,035	31	34	71,285			
1930	33,243	51,059	400	112	84,814			
1931	27,310	49,310	526	135	77,281			
1932	19,334	40,276	360	81	60,051			
1933	12,053	22,087	378	612	36,439			
1934	19,662	22,749	366	18	42,837			
1935	5,707	7,329	128	10	13,282			
1936	21,340	22,999	349	43	44,777			
1937	14,658	12,331	423	24	27,523			
1938	20,490	27,266	402	122	48,418			
1939	17,569	20,575	523	130	40,817			
1940	18,206	17,236	522	126	36,279			
1941	16,064	20,154	469	20	36,849			
1942	14,973	15,798	361	31	33,308			
1943	20,387	18,615	422	18	41,430			
1944	28,611	43,846	660	32	76,920			
1945	29,266	36,308	1,526	50	70,993			
1946	26,068	36,683	781	130	74,158			
1947	21,669	52,190	1,765	175	89,072			
1949	14,360	26,435	1,985	67	55,979			
1950	24,287	35,484	2,616	112	118,960			
1951	19,826	28,105	2,205	94	55,702			
1952	21,412	26,474	3,364	38	58,606			
1953	16,131	29,319	2,287	69	54,738			
1954	17,713	29,124	2,169	63	55,237			
1955	11,300	21,266	2,438	27	40,020			
1956	7,502	12,206	1,588	1,613	29,183			
1957	5,259	14,883	1,411	830	27,558			
1958	1,847	15,472	1,350	323	24,612			
1959	4,658	12,206	1,588	52	21,060			
1960	5,910	11,380	2,011	295	29,970			

LANDS ACQUIRED BY CROWN (Acres)

Year	Provincial Tax Forfeitures	Parks	Purchased Or Otherwise Acquired	Total
1959	19,525	3,134	2,563	25,222
1960	9,997		2,055	12,052

SUMMER RESORT LANDS in years ending March 31st.

Surveys		330	85	388	692	1 100	1,435	1,737	1,800	1 458	1,100	1,670	1 260	1,207	2 083	099'6	2,307	2 028
Acres	659	1,525	781	1.764	1, 153	1.984	2,613	2.294	3.363	2 287	2 168	2,438	2.089	1.411	1.350	288	2,010	1 020
Patents	231	206	277	496	446	756	1,046	1,125	1.294	1.263	1,312	1,479	1.384	1.164	962	1.220	1,946	1.840
Acres	ın	15	32	186	139	107	98	94	319	127	7.2	4.5	17	17	12	23	25	25
Assignments	8	6	14	37	34	40	38	20	32	40	37	28	12	17	13	19	29	25
Acres	25	20	35	9	69	218	019	112	148	183	447	166	183	124	53	28	49	72
Cancellations	10	11	11	19	26	45	77	62	75	73	2/9	84	108	61	36	27	33	00
Acres	948	1,180	1,411	1,841	1,700	2,336	2,512	2,484	2,769	2,278	2,133	1,871	1,614	958	1,678	2,517	2,345	1,543
Sales	344	459	535	999	200	1,010	1,202	1,360	1,601	1,290	1,435	1,278	1,176	714	1,344	2,155	2,418	1.557
Year	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961

AGRICULTURAL LAND SALES in years ending March 31st

1944	Sales	Acres	Cancellations	Acres	Assignments	Acres	Patents	Acres
	325	31,934	445	39,615	177	20,124	359	43,845
1946 1947 1948	281 303 280	26,535 29,757 29,506	438 338 378 378	42,933 29,470 37,069	162 222 185 105	17,464 22,801 21,667 12,392	321 299 225	36,683 52,189 32,929 26,435
1950	267	26,671	327	32,452	113	12,145	316	35,483
1951 1952 1953 1954	195 223 186 144 158	19,228 24,420 21,965 14,534 15,232	221 143 231 161	22,134 13,358 21,645 13,049 17,377	69 71 70 50 92	7,673 7,313 7,560 4,484 4,131	256 256 256 188	28,104 26,474 29,319 29,123 21,265
1956 1957 1958 1959 1960	117 82 101 101 68	12,230 8,683 10,543 10,607 6,758	184 191 174 141 59	18,513 19,038 17,087 13,788 5,788	26 12 3	3,008 1,461 807 1,227 2111	148 126 150 110	17,892 14,882 15,471 11,644 10,980
1961	35	3,808	94	9,133	15	1,531	108	11,63

FREE GRANT LAND in years ending March 31st

Year	Locations	Acres	Cancellations	Acres	Assignments	Acres	Patents	Patented
044	20	7 694	528	64.783	89	11.310	218	28,610
1945	21	2,308	678	83,655	116	14,441	226	29,266
946	49	5.737	545	61,459	120	14,214	216	26,068
947	73	8,243	449	51,906	122	15,523	168	21,668
948	67	8,649	403	48,578	64	8,415	164	22,119
949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
951	28	3,608	289	35,371	56	7,747	150	19,826
952	27	3,411	159	19,785	37	5,060	165	21,411
953	36	4,655	181	21,874	25	3,452	120	16,131
954	24	2,757	250	30,784	19	2,618	136	17,713
955	17	1,823	209	25,755	7	1,005	87	11,219
701	20	2,708	114	12.661	4	517	59	7,501
957	000	878	78	8,727	-	151	47	6,089
020	0 00	296	09	6.950	Т	156	48	6,483
959	4	462	43	4,689	-	160	36	4,658
096	4	386	84	4,597	1	20	44	5,911
10/1			00	0 700	2	156	26	3.701

LAND USE PERMITS in years ending March 31st

Year	Hunt	Trappers Cabin	Residence and Garden	Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat	Misc.	Dept. Houses	Total No.	Total
1944	157	30	429	68	76	105	6:	27	88 131	. 68	1,241	16,466
	321	31	398	138	95	156	• 6	44	251	236	1,670	17,207
١.٥	391	722	570	201	38	197	2 7	80 20	307	377	2,211	
000	543	33	446 386	129	57	170	C4 4	42	370	1,262	3,270	15,846
, ,	è		176	**	ų,	23.1	9	79	599	1,617	3,891	19,035
- 7	866	13	259	47	34	239		92	643	1,758	2 800	16.031
60	957	:	299	34	24	187	- ;	41	563	1,964	4,274	21,201
4 rö	1,220	29	246	34	101	180	6	102	683	2,046	4,559	18,128
91	1,234	200	435	130	29	216	ທ	216	453	2,543	3,059	30,321
1957 1958 1959	1,352	218 279	514	89	37	214	, m m	368	365	3,121	3,146 3,053 3,440	34,471 36,742 36,625
0 -	1,689	226	503	65	45	188	0 1	255	548	3,181	3,472	29,899

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

SALE OF LITHOGRAPHED MAPS in years ending March 31st

Year	20,20A*	District	Island	Township 28,42A*	Electoral 33A	Misc.	Provincial Total	National* Topographic	Grand
1947 1948 1949	3,650 1,975 4,800	7,378 7,373 8,169	600 168 357	1,772 506 1,004	141 25 169	3,103 1,100 2,030	16,644 11,147 16,529	10,535 11,215 15,241	27,179 22,362 31,770
1950	1,896	7,560	1,255	510 370	152	5,062	16,435	17,013	33,448
1952 1953 1954	1,990	9,426 8,156 9,254	932 791 593	285 330 216	311 207 64	3,292	16,342	24,139 30,310 34,459	40,481 45,934 52,487
1955 1957	2,045 2,113 2,212	10,475	882 671	576 398	839 190	1,254	16,139 27,934	48,604 50,013	64,743
1959 1960	1,285	9,071	345 345	8448 829	259 320	10,400	23,075 20,876	68,787 68,891	91,862
1961	1,333	906,9	219	530	142	7,686	16,816	63,104	79,920

* National Topographic, except those for official use, are for resale. Includes Dominion and Provincial N.T.S. sheets.

Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

WILDERNESS AREAS

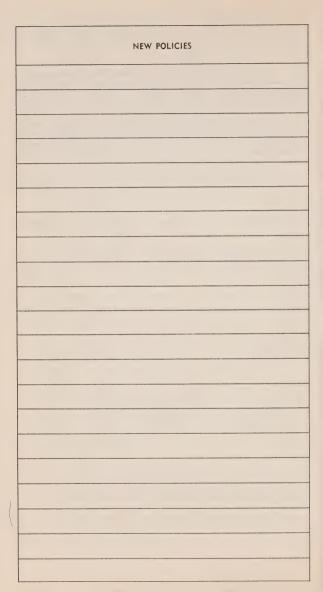
The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

- 1. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.
- 2. JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
- 3. WHITE OTTER LAKE -- 41 acres in District of Kenora --Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.
- 5. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.
- 6. ECHO TOWNSHIP -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
- 7. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.
- 8. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickieana.
- 9. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.
- 10. PORPHYRY ISLAND -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

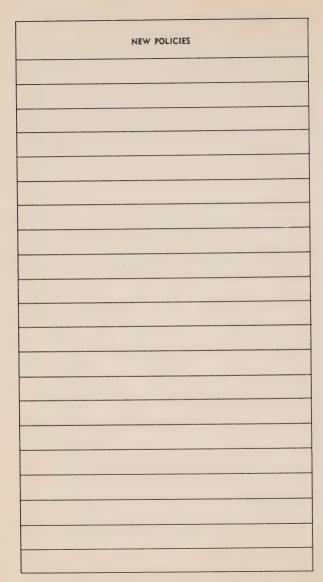
- 12. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
- 13. CAPE HENRIETTA-MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
- 14. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
- 15. ABITIBI NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
- 16. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
- 17. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
- OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
- 19. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
- 20. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
- 21. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
- 22. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
- 23. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

- 24. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
- 25. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
- 27. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
- 28. RONDEAU PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
- TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
- 30. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
- 74. PRESQU*ILE ISLANDS -- 322 acres in Presqu*ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
- 78. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
- 82. PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
- 83. PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
- 84. PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its march borders.

- 85. PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.
- 86. AGATE ISLAND -- 148 acres in District of Thunder Bay --Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.
- 89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.



NEW POLICIES
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LAW BRANCH

The Department has retained a solicitor on its staff for many years and, in the re-organization in the year ending March 31st, 1942, the Division of Law was established. The Division was discontinued in 1950 but re-established on March 1st, 1955. It was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

On October 1st, 1961, the Patents Office of the Lands and Surveys Branch and the staff of that office were transferred to the Law Branch.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

It is the function of the Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of, the Department.

As part of this legal work the Patents Office engrosses letters patent, leases and licences of occupation, maintains records and provides information to the public.

The Acts administered by the Department, and their purposes, are as follows:-

THE ALGONQUIN PROVINCIAL PARK EXTENSION ACT, 1960-61-This Act extends the boundaries of Algonquin Provincial Park to include the public lands in the townships of Bruton and Clyde in the Provisional County of Haliburton and provides that hunting may be done in that part of the park.

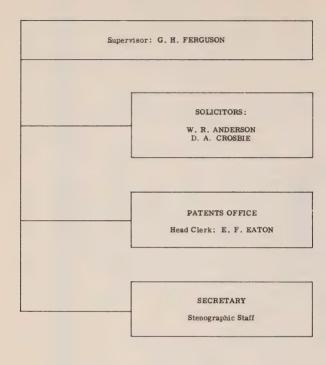
THE BEDS OF NAVIGABLE WATERS ACT-Establishment of the principle of interpretation of letters patent granting land, that the bed of a navigable water is not granted unless the letters patent contain an express grant.

THE CROWN TIMBER ACT-The Act provides for the granting rights to Crown timber, forest management, examination and licensing of scalers, licensing of mills, and the establishment of Provincial Forests and the sale or lease of land therein.





LAW BRANCH



THE FISH INSPECTION ACT-The Act provides for the regulation and inspection of the sale of fish insofar as the Province has jurisdiction.

THE FOREST FIRES PREVENTION ACT-The Act provides for the prevention and control of forest fires in the parts of Ontario declared to be Fire Districts by regulations made under the Act. It includes such subjects as honorary fire wardens, fire permits, forest travel permits, work permits, and agreements and responsibility in respect to fires.

THE FORESTRY ACT-The Act authorizes the Minister to enter into long-term agreements with landowners for the management of land for multi-purpose forestry. It provides for tree nurseries and the regulation of the sale of nursery stock.

THE GAME AND FISHERIES ACT-The Act provides for the management of the wildlife resources of Ontario and covers matters relating to fish and fisheries within the jurisdiction of the Province.

THE LAKES AND RIVERS IMPROVEMENT ACT-The Act is designed primarily to regulate lakes and rivers for the sale and orderly floating of timber, and to regulate the use of dams and other works to afford to persons having diverse interests a fair and reasonable use of lakes and rivers.

THE PROVINCIAL LAND TAX ACT-The purpose of the Act is to provide for the assessment, levy and collection of taxes and improvements on land in areas without municipal organization.

THE PROVINCIAL PARKS ACT-The Act provides for the establishment, control and management by the Minister of Provincial Parks other than parks under the Niagara Parks Commission or the St. Lawrence Development Commission.

THE PUBLIC LANDS ACT-The Act provides that the Department of Lands and Forests shall be presided over by the Minister of Lands and Forests. It authorizes the appointment of the Deputy Minister, the Surveyor General and the Advisory Committee to the Minister by the Lieutenant Governor in Council. It provides for the management, sale and dispostion of public lands.

This Act authorizes the establishment of the Public Agricultural Lands Committee which advises the Minister in respect of sales for agricultural purposes.

THE RAILWAY FIRE CHARGE ACT-The Act provides for the levy and collection of railway fire charge (fire protection) in respect of lands granted as railway lands in areas without municipal organization.

THE SETTLERS' PULPWOOD PROTECTION ACT-The Act provides for the regulation of the sale, and the price, of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT-The Act provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE SURVEYS ACT-The Act concerns the procedures and techniques governing the making of surveys.

THE TREES ACT-The Act provides for the passing of bylaws by municipalities (subject to the approval of the Minister of Lands and Forests) for the protection of trees and for reforestation. It provides that a landowner (with the consent of an adjoining owner) may plant trees on the common boundary, and that the trees become the common property of the owners.

THE WATER POWERS REGULATION ACT-The Act imposes a duty on every holder of a water power to insure the economical and efficient use of water power used by him. It provides for the appointment of inspectors. This is the Act under which the Minister grants Water Power Lease Agreements.

THE WILDERNESS AREAS ACT-The Act provides for the establishment, management and control of wilderness areas which are set aside for the preservation of the area (as nearly as possible in its natural state) for research and educational activities and similar purposes.

THE WILD RICE HARVESTING ACT-The Act provides that no wild rice shall be harvested on public lands except under the authority of a licence which may be issued to residents only.

THE WOLF AND BEAR BOUNTY ACT-The Act provides for a bounty for the killing of bears and wolves within prescribed areas of Ontario. It also provides for the regulation and control of bears and wolves kept in captivity.

THE WOODMEN'S EMPLOYMENT ACT-The Act provides for the inspection and investigation of the operations of persons cutting Crown timber under the authority of a licence, permit, contract or agreement.

THE WOODMEN'S LIEN FOR WAGES ACT-The Act provides that a person shall have a lien upon logs and timber upon which he has performed labour. It provides for the legal machinery for the collection of wages through this lien.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

LAC SEUL WATER DIVERSION -February 28th, 1928
 The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

(1) Three-fifths of cost contributed by Canada, \$500,351.52.

Two-fifths of cost contributed by Ontario, \$333,567.67.

- (2) Canada assumes the total cost of maintenance and operation.
- (3) Canada pays to Ontario 5% on Ontario s capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.
- (4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

- 2. LAKE OF THE WOODS STORAGE-November 15th, 1922
 An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:
 - (1) Canada 33.3333333 per cent for navigation.
 - (2) Ontario 11.4871785 per cent for power head.

(3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at the Lake of the Woods storage and Ontario will recover these costs from The Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

 USE OF BECKWITH ISLAND FOR GROUSE RESEARCH-October 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

 USE OF CERTAIN AREAS IN CAMP BORDEN FOR RESEARCH IN SILVICULTURE - January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

- Use and occupy for 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;
- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.
- 5. ESTABLISHMENT, MAINTENANCE & OPERATION OF;
 - (1) Forest Insect Laboratory at Sault Ste. Marie;
 - (2) Laboratory of Forest Pathology at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.

- Co-operation in control of forest insects and forest diseases through entomological and pathological studies;
- Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;
- (3) Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- (5) Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Agreement is subject to review and may be terminated on six months⁹ notice.
- WEATHER OBSERVATION SERVICES Pickle Lake Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

8. FUR MANAGEMENT AGREEMENT

A. By an exchange of letters between the Minister of Citizenship and Immigration and the Minister of Lands and Forests dated September 9th, 1960 and September 28th, 1960, respectively, it was agreed. subject to certain exceptions, to continue until March 31st, 1962 the fiscal arrangements created under the agreement of January 16th, 1950 between Canada and Ontario in respect to the management and development of fur resources in Northern Ontario. The maximum amount payable by Ottawa under these arrangements is \$75,000 a year. The payments by Canada shall not include any part of ordinary supervision of the fur development programme. The expenditures in connection with fur marketing including auction facilities at North Bay would be allowed. Also costs of research projects such as the Patricia inventory of game and fish and various biological lake surveys undertaken by Ontario and the cost of administration and supervision of commercial fisheries resulting from such surveys will be shared under the arrangement.

B. A further agreement has been negotiated between the Minister of Citizenship and Immigration and the Minister of Lands and Forests under which Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200, 000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blue berries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario and two from Canada. Canada may appoint a liaison officer. The Committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

- 9. AGREEMENTS UNDER THE CANADA FORESTRY ACT A. Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) dated December 20th, 1956, partly amended on March 27th, 1958 and renewed by agreement dated July 20th, 1961 between Canada (Department of Forestry) and Ontario (Department of Lands and Forests) under which Canada shares the cost cost of:
 - (1) Completing forest resources inventory;
 - (2) Maintaining forest resources inventory;
 - (3) Reforesting certain Crown lands and other lands owned by public authorities;
 - (4) Establishing and maintaining nurseries.

By the renewal the Federal assistance to the programmes was extended to the 31st of March, 1962.

The Federal share amounts to: (1) and (2) 50 per cent of total cost; (3) \$10.00 for each reforested unit (1,000 trees) by planting or \$1.00 for each reforested unit (1 acre) by seeding on unoccupied crown land; (4) 20 per cent of the cost.

B. June 20th, 1957. Agreement between Canada and Ontario by which Canada assists the Province to achieve adequate forest fire protection by sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years, 1st April, 1957, to 31st of March, 1962.

- 50 per cent of the cost of equipment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- 50 per cent of the cost of erecting building to be primarily used for forest fire protection;
- (3) 50 per cent of the cost of charter or employment of aircraft and vessels for forest fire protection;
- (4) 25 per cent of the cost of building primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$281,224.00 for 1960-61). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

C. FOREST RESEARCH AGREEMENT, January 29th, 1959

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee recommends the studies to be made, reviews reports, recommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

87

D. Agreement dated March 9th, 1961 between Canada (Department of Forestry) and Ontario (Department of Lands and Forests).

Canada pays to Ontario one half of the expenditures incurred by Ontario between December 1st, 1960 and November 30th, 1961 up to a maximum of \$940,944 provided all payments made by Canada under similar agreements with all provinces shall not exceed \$5,000,000.00 in approved projects which may consist of surveying and construction of forest access roads or trails and the clearing of Crown land boundary lines for the improvement of access to forest areas.

- E. An agreement presently under negotiation will extend the period of the agreement of March 9, 1961 respecting forestaccess roads and trails until March 31, 1962.
- F. An agreement presently under negotiation will provide for a two-year extension of the arrangements mentioned in items A, B and D,
- 10. AGREEMENT UNDER THE FORESTRY ACT (Ontario)
 By an agreement dated August 16, 1961, between
 the Minister of Lands and Forests and The National
 Capital Commission, the Commission leased the lands
 described in Schedule "A" of the agreement, being
 part of the Commission's land acquired under The
 National Capital Act (Canada) 1958 in the vicinity of
 Ottawa, for a period of 50 years from April 1, 1961.
 Additional lands may be added to the agreement from
 time to time by a lease in the form appended to the
 agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission with-

out interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

11. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordinating Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- Lamprey research and control in Lake Superior.
 In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.
- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.

(3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

12. CAMPGROUNDS AND PICNIC AREAS CONSTRUCTION

The winter works programme respecting the development of campgrounds and picnic areas was continued under an exchange of letters from the Minister of Northern Affairs and National Resources to the Minister of Municipal Affairs dated the 23rd day of November, 1960 and the Prime Minister of Ontario to the Minister of Northern Affairs and National Resources dated the 10th day of November, 1960. Under the arrangements Canada agreed to reimburse Ontario for one half of the expenditures made by Ontario in respect of costs incurred on a campgrounds-picnic areas programme or the labour costs whichever are the lesser conducted between November 1st, 1960 and April 30th, 1961. Ontario was required to mark in a suitably-agreed form all campgrounds and picnic areas developed under the programme since 1958 in a manner indicating that the facility provided had been provided under a co-operative federal-provincial programme. A further requirement was that the development be limited to provincial lands on the understanding that the development would continue to be owned by the province. This programme has been extended from November 1st, 1961 to April 30th, 1962 on the same terms and conditions.

13. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i. e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

The appointment of two Assistant Deputy Ministers, J.S. Yoerger and G.H.U. Bayly, on December 1st, 1957, coincided with the separation of the service unit into the Division of Operations and a separate Personnel Section. Re-named Branch in 1959, Operations has four Sections:-

PURCHASING AND OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for storage and supply of supplies and equipment, and a large volume of duplication and distribution of printed material;

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

OPERATIONS BRANCH

Chief: P.O. RHYNAS Assistant Chief: C. V. RICH PURCHASING AND OFFICE MANAGEMENT SECTION Supervisor: M. A. GONTIER Purchasing, Material Control, Customs, Invoicing, Leased Premises, Office Management, Records, Circular Production, Equipment Inventory, Uniforms CENTRAL SUPPLY WAREHOUSE Supervisor: M. TOMS Housing, Recording, Shipping of Stock, Composing and Making Plates, Duplicating, Collating and Distributing CONSERVATION INFORMATION SECTION Supervisor: R. V. WHELAN Gathering, Screening and Producing Information on Conservation of Natural Resources, Compiling and Releasing Minister's Brief, News Releases and Public Appeals, etc. CONSERVATION EDUCATION SECTION Acting Supervisor: C. V. RICH Planning and Presenting to the Public a Complete Educational Programme of Our Natural Resources Through Lectures,

16 mm. Motion Pictures, Television and Exhibit Displays

LECTURE TOURS — Number of Meetings and Attendance

Ontario Forestry Association			1,511	83,566	128,052	185,552	119,312	100,001	•	56,394	68,758	68,832	40,430	000,10	48,756	
For	: :		20	401	1,241	1,141	611	761	•	703	674	538	409	484	401	
DEPARTMENT TOTAL	78,471	159,975	160,989	230,188	156,261	135,183	140,574	185,536	208,642				192,849	251,476	267,701	
DEPAR	699	1.532	1,531	1,456	1,588	1,948	1,944	2,742	2,669	2,478	2,971	2,680	3,027	3,809	4,224	
PUBLIC	24,558	58.615	71,969	136,293	75,850	84,283	86,895	95,701	116,263	107.746	127.174	97,334	124,703	158,682	187,686	
PU	246	752	655	629	913	1,246	1,223	1,546	1,526	1.402	1.710	1,708	2,196	2,715	3,198	
SCHOOL	53,913								92,381	90.540	03.672	67.013	68,146	92,794	80,015	
SCE	423	405	876	827	873	702	721	1.196	1,143	1 076	1,041	972	831	1,094	1,026	
Years ending March 31st	1946	1947	1940	1950	1951	1052	1953	1954	1955	1054	1057	1058	1959	1960	1961	

INFORMATION AND EDUCATION SERVICES

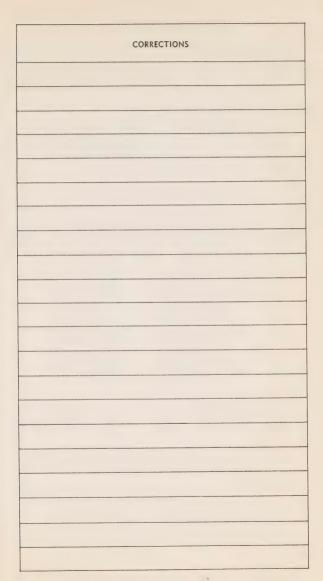
		PUBLI- CATIONS	30	4 11	200	72	72	72	26	55	72	87	84	92	109	116	133	136	
The second secon	EMENTS	Conser-	36	2 7	3	57	4	43	39	27	36	45	55	53	52	54	55	49	
	ADVERTISEMENTS	Adminis- tration	7.7	80%	000	130	09	127	57	74	57	103	66	112	93	139	140	50	
	Latters of	Enquiry Answered*		4 200	000, 9	7.700	8,065	7,200	8,100	000.6	9,000	7,000	8,400	10,800	14,600	21,010	26,000	29,200	
		Exhibi- tions		. 00	2	15	38	64	64	89	75	7.5	75	75	75	75	75	75	
The state of the s	Photo Prints	Loaned to Publishers		1			1,800	1,800	1,800	2,100	1,800	3,500	4,500	000,9	000.6	9,200	000,6	00006	
	35 mm	Colour					:	•	•	750	750	750	1,000	1,500	1,500	1,800	1,900	2,000	
	Motion	Films (titles)	24	25	26	28.	28	38	26	73	89	119	159	178	208	226	226	234	
The state of the s	Years	Ending March 31st	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	

*Information supplied to general public, in addition to many enquiries in person and by telephone.

WAREHOUSE SHIPMENTS in years ending March 31st

Licences	701,450	802,900 868,300 910,480 1,005,000 1,055,299	1,120,654 1,154,000 1,212,920 1,279,067 1,260,917	
Park Permits	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	271,600 300,000 300,000	
Printed Material Distributed		* * * * * * * * * * * * * * * * * * *	1,941,819 2,124,688	
Printed Collated	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	207,800	
Supplies Parcels	10,000	12,500 13,500 14,000 19,000 17,180	18,450 17,040 19,136 20,264	1
Sort	150	170 175 176 200 470	488 350 218 377	
Year	1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	4074

NEW POLICIES



NEW POLICIES

PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with the late W.B. Greenwood as Chief, following a comprehensive survey of public needs in outdoor recreation facilities. To Mr. Greenwood belongs much of the credit for the accomplishments of the new organization (named Branch in 1959) during its formative years.

A. B. Wheatley was appointed Chief on April 1st, 1961.

Algonquin, the first Provincial Park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chap. 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chap. 15. Presqu'ile was established by the Presqu'ile Park Act, 12 Geo. V., Chap. 39. Long Point was established by the Long Point Park Act, 2 Geo. V., Chap. 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Since the Provincial Parks Act was proclaimed on December 1st, 1954, all new Provincial Parks have been established by regulations made under the Act and its revisions, and published in The Ontario Gazette on the following dates:

O.	Reg.	148/55				August 6th, 1955
O.	Reg.	144/57			٠	July 6th, 1957
O.	Reg.	229/57				October 26th, 1957
Ο.	Reg.	280/57				January 4th, 1958
0.	Reg.	42/58				March 8th, 1958
O.	Reg.	251/58				October 11th, 1958
0.	Reg.	254/58			۰	October 18th, 1958
0.	Reg.	70/59	٠	٠	۰	May 2nd, 1959
0.	Reg.	88/59				May 23rd, 1959
0.	Reg.	195/59			۰	August 31st, 1959
0.	Reg.	253/59				November 7th, 1959
0.	Reg.	204/60		٠		July 30th, 1960

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957. Ten were returned in the year ending March 31st, 1960.

Section 1 (a) of the Provincial Parks Act, 1954, reads as follows; "'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds".

In every park, development of facilities is governed by a master plan for the optimum use of the parkland.

Park Naturalist Programmes of Interpretation, including musums, labelled trails, conducted trips and lectures, continue to be popular. Senior high school and university students, among others, are employed as seasonal staff.

PARKS BRANCH

Chief: A. B. WHEATLEY
DEVELOPMENT SECTION
Supervisor: T.W. Hueston
PLANNING SECTION
Supervisor: A.R.K. McDonald
INTERPRETIVE SECTION
Supervisor: A. F. Helmsley
PARKS INSPECTION
Inspector: G. W. Delahey
OFFICE MANAGEMENT SECTION
Office Manager: T. M. Van Dusen
SPECIAL PROJECTS
C. R. Tilt Secretary
Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

Year	No. of Parks	No. of Vehicles	No. of Campers	No. of Visitors
1956	21	*****	86,641	
1957	39	629,666	162,705	2,114,661
1958	45	927,871	276,128	3,232,460
1959	55	1,420,180	479,069	5,127,199
1960	63	1,552,662	592,103	5,692,978
1961	77	1,725,876	862,559	6,215,370

ATTENDANCE AT INTERPRETIVE PROGRAMMES

Year	No. of Parks	Museums	Nature Trails	Conducted Hikes	Lectures	Child Camps
1950 1951 1952 1953	1 1 2 2 2	200 53,843 72,839	6,173 5,390 14,341 12,761 18,920	363 413 752 952 1,353	1,230 1,473 2,059 5,171 7,521	870 958 1,140 2,193
1955 1956 1957 1958	3 5 6 6 8	75,711 91,246 119,200 146,681 217,672	25,388 23,125 26,855 40,617 38,771	1,927 2,015 2,824 3,973 5,782	6,996 8,912 10,760 14,799 21,820	1,448 1,815 1,949 2,790 2,168
1960 1961	9	282,927* 287,895	46,679 46,955	6,958 7,104	23,828 28,726	468 900
Algonqui Nancy Is Presqu'l Quetico. Rondeau. Sibbald Sibley	land le Point	184,491 13,652 18,129 7,143 25,631 23,421 15,428	41,003 3,000 1,075 	3,602 1,546 391 1,071	14,998 5,600 1,816 3,604 2,708	900
Inverhur	00		1,600*		****	

^{*} Estimated; all other figures are actual count.

95 PROVINCIAL PARKS AND PARK RESERVES

as of November 30th, 1961

DISTRICT	Area	Camping	Campers	Visitors
PARK	(Acres)	Units	in 1961	in 1961
CHAPLEAU				
Five Mile Lake	1,010	53	926	3,713
COCHRANE				
Greenwater	10,560	20	1,266	6,223
Kettle Lakes	2,304	98	3,370	50,54
FORT FRANCES				
Caliper Lake	246	81	6,254	21,83
Lake of the Woods	2,127	72	655	14,66
Quetico	1,148,800	109	5,749	66,53
GERALDTON				
Blacksand	3,353	62	8,211	14,139
Klotz Lake	210	29	2,362	*****
MacLeod Lake	200	54	3,891	16,420
Rainbow Falls	277	115	28,960	45,815
Neys	900	•••	*****	Res
Kama Bay	1,750	•••	*****	Res
OGAMA				
Ivanhoe	1,280	35	998	2,683
KAPUSKASING				
Nagagamisis	11,878	80	1,962	14,026
Remi Lake	980	26	3,387	25,773
EMPTVILLE				
Fitzroy	434	104	7,364	51,328
Murphy's Point	784	• • •	*****	Dev
Rideau River	130	170	14,689	144,756
Silver Lake	78	196	16,569	68,082
South Nation	13	28	5,189	42,810
KENORA				
Aaron	124	40	7,681	26,173
Rushing River	395	85	14,637	59,980
Sioux Narrows	284	40	6,284	24,676
Blue Lake	176	70	6,317	24,099
Pipestone	3,425	****	• • • • •	Res
AKE ERIE				
Clay Creek	24	47	2,084	30,393
Holiday Beach	205	50	919	158,843
Ipperwash	109	250	23,002	187,945
Long Point	848	100	24,388	203,121
Pinery	4,333	900	53,551	301.665
	5	****	Day	32,981
St. Williams				
Rock Point	42	50	1,103	14,900
Rock Point	5,504	506	30,703	12,963 642,020
Rock Point				642,020 16,457 Day

Day - Day Use Parks.

Res - Reserved Area for Park Purposes.

Dev - Parks under Development.

95 PROVINCIAL PARKS AND PARK RESERVES (Continued)

as of November 30th, 1961

DISTRICT	Area	Camping	Campers	Visitors
PARK	(Acres)	Units	in 1961	in 1961
LAKE HURON				
Craigleith	27	170	15,180	60.396
Inverhuron	545	300	21,742	97,986
Sauble Falls	44	146	12,981	178,29
Judic 14115	77	240	14,701	170,27
LAKE SIMCOE				
Bass Lake	85	154	20,423	199,99
Devils Glen	14	20	3,116	81,36
Earl Rowe	111	70	5,298	60,24
Sibbald Point	495	550	42,636	325,20
Six Mile Lake	177	140	12,878	80,057
Springwater	117			109,68
Wasaga Beach	80	***	• • • • •	Da
Little Lake	100	• • •	• • • • • •	Re
LINDSAY				
Darlington	295	200	8,111	122,89
Emily	67	88	13,986	124,36
Mark S. Burnham	101	***	Day	29,00
Presqu'ile	2,170	500	37,307	301,48
Serpent Mounds	70	110	15,483	104,56
Bottle Lake	3,800	***	10,400	Re:
NORTH BAY	22	20	2 245	22 24
Antoine	23	29	2,365	22,34
Finlayson Point	75	106	7,754	40,00
Marten River	765	204	14,024	63,22
Samuel de Champlain	1,444	79	4,897	18,10
Mashkinonje	2,543	• • •	••••	Re:
Bay Lake	350	•••	• • • • • •	Re
PARRY SOUND				
Grundy Lake	6,310	300	21,898	93,30
Oastler Lake	24	150	14,956	120,05
Killbear Point	2,334	284	18,718	105,67
Mikisew	99	124	8,421	42,90
Sturgeon Bay	20	95	8,377	23,75
Restoule	1,417	***	• • • • • •	De
PEMBROKE				
Algonquin	1.862.144	1,277	77,676	466,98
Carson Lake	15	48	3,578	3,10
Driftwood	654	82	7,317	14,79
DADE ADEILID				
PORT ARTHUR	82	42	6 947	10. 20
Inwood		42	6,847	10,20
Sibley	45,120	195	13,836	45,07
Kakabeka Falls	891	58	16,102	279,62
Middle Falls	11	20 20	9,888	55,52
Shuniah	17		10,978	52,46
Silver Falls	8,800	• • •	•••••	Re
Arrow Lake	100			Re

Day - Day Use Parks. Res - Reserved Area for Park Purposes.

Dev - Parks under Development.

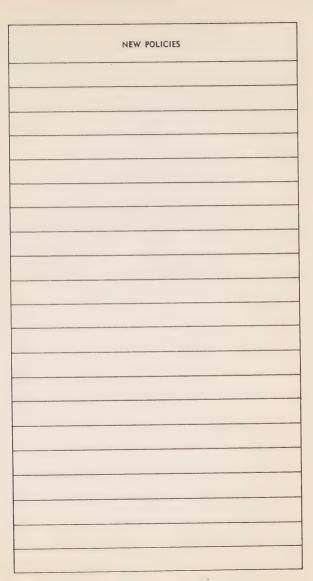
95 PROVINCIAL PARKS AND PARK RESERVES (Continued)

as of November 30th, 1961

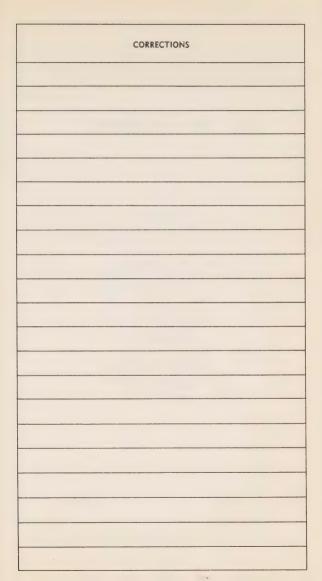
DISTRICT PARK	Area (Acres)	Camping Units	Campers in 1961	Vi sitors in 1961
SAULT STE. MARIE				
Pancake Bay	710	150	26,527	69,581
Batchawana	400	* * *	*****	Day
Lake Superior Elliott Lake	333,632 96,000	162	31,170	46,508 Res
Elliott Lake	yo,000	•••	•••••	AC 3
SIOUX LOOKOUT				
Pakwash	71		*****	Dev
Ojibwa	6,130	***	• • • • • •	Dev
SUDBURY				
Fairbank	85	110	12,290	28,384
Windy Lake	293	90	4,222	55,696
Killarney	36,796	• • •		Res
SWASTIKA				
Esker Lakes	7,680	136	3,312	21,072
Kap-Kig-Iwan	759	64	2,319	30,258
McCann	640	• • •	*****	Res
TWEED				
Black Lake	77	178	8,537	42,727
Lake on the Mountain	256			Day
Lake St. Peter	62	60	4,902	29,372
Outlet Beach	263	265	15,504	209,112
Sandbanks	1,200			Day
Bon Echo	1,460	118	8,922	39,314
WHITE RIVER				
White Lake	3,980			Dev
Knife Lake	34,240	•••		Res
		30 803	0/0 550	(015 250
TOTAL	3,669,926	10,591	862,559	6,215,370

Day - Day Use Parks. Dev - Parks under Development. Res - Reserved Area for Park Purposes.

100



NEW POLICIES



	NEW POLICIES
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PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

Recruitment
Transfers and Promotions
Courses and Educational Leave
Grievances, Discipline

Classification Class Specifications Job Descriptions Salary Surveys

Personnel Records Nominations, Separations, Renewals Permanent and Temporary Appointments Annual Increments, Attendance

> Junion Ranger Programme Safety and First Aid Workmen's Compensation

Transfers and Promotions
Establishments
Control of Casuals
Job Advertising
Staff Appraisals

Special Assignments
Staff Replacement Needs
Comparative Salary Surveys
Job Descriptions
Recruitment of Professional Staff.

NUMBER OF EMPLOYEES in years ending March 31st

WORKMEN'S COMPENSATION	Cost		\$ 12,850	14,540	14,249	21,560	35,989	50,939	43,951	54,158	51,169	64,693	63,357	106,962	85,159	101,376	132,572	150,709	130,210	
WORK	Claims	•	86,	120	129	182	494	501	394	368	417	494	455	910	588	727	874	289	649	
	* Seasonal	339	397	676	573	527	562	580	617	200	089	633	727	655	929	3,209	2,750	1,224	1.734	
	Total	522	578	629	691	1,085	1,363	1,509	1,561	1,622	1,676	1,721	1,760	1,791	1,758	1,819	1,872	2,036	2.537	
	Monthly	•	•	:	:			•	•	•									330	
	Temporary	218	268	305	318	562	196	157	141	181	158	175	142	180	175	134	113	06	101	171
	Permanent	304	310	324	373	523	1.167	1,352	1.420	1.441	1,518	1 546	1,618	1 611	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,685	1 759	1,946	700 6	7,000
	Year	1943	1944	1945	1046	1947	1040	1950	1951	1052	1053	1010	1955	1056	1057	1058	1050	1960	10/4	1001

*Rated "Casual" until 1960. Does not include extra fire fighters.

NUMBER OF PROFESSIONAL EMPLOYEES

with University degrees in years ending March 31st

	Total	75 58 3	69 1115 157	187 205 220 237 244	206 249 251 266 267
	Others	19 13 29	14 10 10	12 16 23 26	22.5 2.2 2.2 3.2 4.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5
	Civil Engineers C		• 64 4	co co co co co	9000
Control and Control of			•		ted ted
	Biologists	* * *	18	33838	3,4 4,6 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0
	Foresters	56 545 545	55 85 123	147 158 166 172 174	139 182 181 193 189
	Year	1943 1944 1945	1946 1949 1950	1951 1952 1953 1954	1956 1957 1958 1959
	Licenced		:::	343 335 3391 392	404 429 459 578

SUMMARY OF CLASSIFICATIONS

Permanent and Temporary Staff as of August 31st, 1961

GROUPS	Head Office	Field	Total
Accountants	8		8
Air Engineers	35	10	45
Air Pilots	26	10	36
Air Service Staff	18	• •	18
Artists (Commercial)	2	••	2
Biologists	15	28	43
Boat Captains	• •	2	2
Carpenters	1	12	13
Communication Technicians	7	23 218	30 222
Conservation Officers	4	210	464
Draughtsmen, Cartographers	35	• •	35
Engineers	7	• •	7 4
Engineers (Stationary)	4 56	111	167
Forest Rangers	5.	693	698
rorest kangers	_		
Hatchery Staffs	2	53	55
Maintenance Staffs	15	115	130
Mechanics, etc	4 293	50 285	54 5 7 8
Office Staffs	17	203	17
Photography Staff	17	••	-,
Printing Machine Operators	6	22	6 25
Radio Operators	i	99	100
Reforestation Staffs	18	5	23
Research Technicians	4	••	4
Solicitors	3		3
Supply Assistants	15	17	32
Surveyors	7		7
Supervisory Staff	26	28	54
Truck Drivers	3	40	43
Total	640	1,821	2,461
FOREST RANGERS			
Class 5*	1	37	38
Class 4*	1	89	90
Class 3*	* *	186	186
Class 2	1 .	148	149
Class 1	2	233	235
CONSERVATION OFFICERS			
Class 5*	2	19	21
Class 4*	2	9	11
Class 3*	• •	30	30
Class 2	• •	127	127
Class 1	• •	33	33

DISTRIBUTION OF JUNIOR RANGERS (Summer Months Only)

1961	60 36 60 48	36 36 48 84	36 24 66 48 48	48 48 630	
1960	36 37 37	36 26 36	24 67 13 49	35	
1959	394834	38 37	34 39 15 39	26 + 49	
1958	320 232	**************************************	34 64 13 46 64	24 49	
1957	38 144 38 38	28 11 48 35	13 73 13 51	39	2
1956	39 39 16 27 27	33 10 38 46	48 75 11 76	62	400
1955	44 44 44 43 43	44 46 38 25	53 8 42.	111 226 42	0.1.0
1954	35.0	32 10 29 38 20	45 60 119 24	31 28 22	190
1953	36 36 15 25	21 25 30 15	35 15 37 21 23	23 23	403
1952	23	12 122 122 122	32 13 12 14	22 24	312
1921	15 21 10 12	122	32 20 14	112	242
1950	14 25 10 15	14 11 15 27 18	16. 20. 16.	32 18 12	289
1949	25	10 12 26 19	22	28	237
1948	125	2218	20 20	21	148
DISTRICT	Chapleau	Kapuskasing Kenora Lindsay	Pembroke Port Arthur Sault Ste. Marie Sioux Lookout	Swastika Tweed	TOTAL

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles	7	Administrative District Fish & Wildlife Control	ict ol		Fire Protection	
as of March 31st, 1961)	Land	Water	Total	Land	Water	Total
Chapleau	6,279	633	6,912	6,279	633	6.912
Cochrane	62,522	5,660	68,182	54,026	4.061	58.087
Fort Frances	5,820	1,379	7,199	5.820	1.379	7,199
Geraldton	35,543	6,807	45,350	35,543	9,807	45,350
Gogama	5,931	446	6,377	5,931	446	6,377
Kapuskasing	17,776	750	18,526	17.776	750	18.526
Kemptville	5,351	298	5,649			
Кепога	9,173	3,000	12,173	9,173	3,000	12.173
Lake Erie	6,905	6,142	13,047			
Lake Huron	8,860	6,486	15,346	723	22	745
Lake Simcoe	4,710	1,444	6.154	220	19	239
Lindsay	5,097	1,692	6.789	2.498	217	2.715
North Bay	4,969	887	5,856	4,969	887	5,856
Parry Sound	5,552	3,031	8,583	5,552	3.031	8,583
Pembroke	4,765	410	5,175	4,575	400	4,975
Port Arthur	11,309	2,578	13,887	11,309	2.578	13.887
Sault Ste. Marie	8,167	3,387	11,554	8,024	3,328	11,352
Sloux Lookout	109,016	11,099	120,115	73,402	8,001	81,403

Sudbury Swastika Tweed	6,538 5,270 7,015 6,400	4,298 291 1,721 3,051	10,836 5,561 8,736 9,451	6,538 5,270 4,558 6,400	1,243 291 304 3,051	7,781 5,561 4,862 9,451
TOTAL	342,968	68,490	411,458	268,586	43,448	312,034
Manitoulin Island Group Total Area of Ontario	* * * * * * * * * * * * * * * * * * *		1,124	1,124 412,582 Square Miles. This includes the Great Lakes north of the International Boundary.	cludes the Great Lakes north of the International Boundary.	kes north Boundary.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. Sudbury administrative area includes waters of the North Channel and Lake Huron within the Territorial District of Manitoulin, but it does not include the land area of Manitoulin, Cockburn, Fritzwilliam, Lonely, Great Duck, Western Duck or Barrie Islands.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,553; Geraldton, 4,872; White River, 2,530; Sault Sie. Marte, 2,737; Wrede, 1,449; Lindsday, 1,566; Lake Erle, 5,532; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,333. Total: 33,696 equare miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2,120 feet above sea level.

(SEE MAP OF DISTRICTS, Pages 76, 77)

ASSISTANT DEPUTY MINISTERS

J. S. YOERGER - - - -Fish and Wildlife Branch Lands and Surveys Branch Law Branch Parks Branch G. H. U. BAYLY - - -Forest Protection Branch Research Branch Timber Branch REGIONAL DIRECTORS 172 Elm St., West, R. D. K. ACHESON - - - - -Sudbury. Telephone Osbourne 4-3151 A.S. BRAY - - - -Forestry Building. Port Arthur. Telephone DI-5-6543. REGIONAL FORESTERS R. BOULTBEE - - - - - -WESTERN 232 Scott St., Fort Frances. Telephone BR-4-5337. R. HYSLOP - - -MID-WESTERN Forestry Building Port Arthur. Telephone DI-5-6545. R. H. HAMBLY NORTHERN 113 6th Avenue, Cochrane. Telephone 139. D. R. WILSON -SOUTH-EASTERN

P. ADDISON - - - - - - -

397 George St., Peterborough. Telephone RI-3-3612.

SOUTH-WESTERN

Telephone Av-5-1171--2.

Maple.

CHAPLEAU DISTRICT

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester		J.R. Keddie
	SUPERVISORS	
Accounts Fish and Wildlife Forest Protection. Lands Parks Timber Scaling		G.J. Murray V. Crichton L. Ridsdill W.E. MacPhail W.E. MacPhail D.E. Gage L.C. Mantle
	CHIEF RANGERS	
Biscotasing		
С	OCHRANE DISTRICT	
OFFICE: Court House.	Telephone 142.	
District Forester		F. L. Hall
	SUPERVISORS	
Accounts Fish and Wildlife Forest Protection		

CHIEF RANGERS

, Bell

P. Anslow

S. E. McWhirter

Low Bush. R. Woodall
Cochrane S. Russell
Timmins C.R. Gray

Reforestation.

FORT FRANCES DISTRICT

OFFICE: 232 Scott Street. Telephone Browning 4-6251.

District Forester	R. A. Balkwill
SUPERVISORS	
Accounts. Fish and Wildlife Biologist. Forest Protection. Surveys and Parks Reforestation Timber Scaling CHIEF RANGERS	A.R. Taylor H. Pearson C. Elsey F. Miller L. Rawn J. Mullen H. Henry G. E. Mayhew
	J. E. Anderson F. Dustak
GERALDTON DISTRICT OFFICE: 1821 Main Street (upper floor). Tel	
District Forester	G. E. MacKinnon
Accounts Fish and Wildlife Biologist Forest Protection. Land and Parks Timber Scaling	R. J. Langford E. H. Stone J. Goddard (Acting) R. V. Brady A. Grasser F. C. Robinson A. G. Stret
CHIEF RANGERS	
Longlac	H.N. Whalen J.A. Murphy A.J. McGoey P. Bellavance R.W.A. Koski

GOGAMA DISTRICT

OFFICE: Town of Gogama. Telephone 95.

District Forester.......

SUPERVISORS

 Accounts
 J. Vance

 Fish and Wildlife
 R. C. Johanson

 Forest Protection
 J. Canfield

 Lands
 D. J. Shaw

 Parks
 D. J. Shaw

 Timber
 J. McKnight

 Scaling
 E. Dew

CHIEF RANGERS

Foleyet J.R. Languerand Gogama A.F. Papineau

KAPUSKASING DISTRICT

KAPUSKASING

OFFICE. Kapuskasing.

Telephone Edgewood 5-2231

District Forester..... J.S. Ball

SUPERVISORS

 Fish and Wildlife
 O. Lewis

 Forest Protection
 F. Dodds

 Lands
 T. Murphy

 Parks
 W. A. Perrin

 Reforestation
 P. Hare

 Timber
 R. A. Baxter

 Scaling
 E. A. Boice

CHIEF RANGERS

Kapuskasing. J.H. Clavelle Hearst. J. Shalla Hornepayne L.E. Grife

KEMPTVILLE DISTRICT

OFFICE: Kemptville. Telephone 413.

						_		_	_				
District Forester.	•				•	•						٠	W.A.G. Thurston
				Sī	JP	E	R۱	VΙ	SC	R	S		
Accounts								٠		۰			F.S. Bumstead
Fish and Wildlife .													D. Sylvester
Biologist									٠	٠	٠		J.B. Dawson
Forest Protection.			٠		٠					۰			E. A. Green
Lands and Parks .		٠	٠										E.A. Green
Timber			٠				٠		٠				H.R. Grinnell
					N	U	RS	E	R	Y			

Kemptville H. H. de Vries

KENORA DISTRICT	
OFFICE: 213-15 Main Street. Telephone Homestead 8-9841.	
District Forester	F.E. Sider
SUPERVISORS	
Accounts	G. McChesney
Fish and Wildlife	P. Thompson B. T. Dunne
Forest Protection	J. Wynd
Parks	H. V. Berg
Timber	D.J. Vance
Scaling	G.C. Mackey
CHIEF RANGERS	
Kenora	J. Mackay
Minaki	J.L. Hamill
Dryden	H.R. Redding

LAKE ERIE DISTRICT

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynolds

SUPERVISORS

Accounts . . G. B. Fewings
Fish and Wildlife . E. L. Skuce
Biologist . J. D. Roseborough
Parks . K. A. Cameron
Timber . C. J. Heeney

NURSERY

St. Williams A. A. Russell

PARKS

Rondeau.... R. McLaren
Pinery and Severn ... C.C. Myers
Ipperwash... J. Matheson

LAKE HURON DISTRICT

OFFICE: R.R. No. 1, Hespeler, Telephone Oliver 8-9356.

District Forester..... E.K.E. Dreyer

SUPERVISORS

 Accounts
 H. Makcrow

 Fish and Wildlife
 E. Meadows

 Biologist
 R. E. Mason

 Parks
 R. W. Jordan

 Timber
 W. Steele

LAKE SIMCOE DISTRICT

OFFICE: Maple. Telephone Avenue 5-1171.	
District Forester	A.W. Leman
SUPERVISORS Accounts Fish and Wildlife Biologist Forest Protection Lands and Parks Timber	J. Carswell R.H. Trotter A.A. Wainio W.A. Armstrong A. Selwood S.R. Hamilton
NURSERIES	
Angus	W.E. Edwards J. Halpenny
PARKS	
Sibbald's Point	D. R. Cutts
OFFICE: Kent Street West, Lindsay. Telephone Fairview 4-6121. (Direct line from Head Office) District Forester.	A. E. Walroth
SUPERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection. Lands Parks Timber Scaling	H. C. Wallwin R. W. Swanson K. Irizawa B. B. Benson G. Simons P. R. Davidson E. F. Johnston R. A. Quirt
CHIEF RANGERS	
Minden	P.J. Cassidy W. Sarginson
PARKS Presqu'ile	P.J. Kennedy
NURSERY	
Orono	W.R. Bunting

NORTH BAY DISTRICT

OFFICE: 263a Main Street North.
Telephone Grover 2-9360.

Telephone Grover 2-9360. (Direct line from Head Office)

District Forester	W.B. Clarke D.M. Peacock
SUPERVISORS	
Accounts	J.E. Rogers
Fish and Wildlife	J. F. Gage
Biologist	J. F. Gage
Forest Protection	D. M. Peacock
Lands	W. Turnbull
Parks	A.D. Tremblay
Timber	R. Lockhart
Scaling	R.T. Fraser
CHIEF RANGERS	
Temagami	A. W. O'Donnell
North Bay	L.L. Bronson

PARRY SOUND DISTRICT

OFFICE: 34 Sequin Street. Telephone Riverside 6-2141.

District Forester			٠	۰		M. A. Adamson
Assistant District Forester						J. E. Dickenson

SUPERVISORS

DOI LICTEDOID	
Accounts	G.F. Walter
Fish and Wildlife	
Biologist	C.W. Douglas
Senior Conservation Officer	C. W. Douglas
Forest Protection	D. Burns
Lands	T. H. E. Croswell
Parks	W.R. Peck
Timber	
Scaling	
· ·	

CHIEF RANGERS

				١.	U	111	C I		TL2	27.4	u	Ŀ	LL	,			
Parry Sound				۰	۰	٠				۰				٠		R.E.	Simpson
Powassan	۰	٠	۰	۰				٠		۰	۰		٠	٠		W.J.	Barber
Bracebridge				٠	٠	٠		۰					٠		۰	G. P.	Elliott

PEMBROKE DISTRICT

OFFICE: 68 Pembroke Street. Telephone Regent 2-3661.

District Forester	R.C. Passmore D.A. Fawcett
SUPERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber	G. Bragg H. E. Deedo J.F. Gardner J.K.K. Legris J. Orme J.E. Collard C.R. Groves
CHIEF RANGERS	
Pembroke	R.N. Cousineau H. Hames J.J.R. Tait
PORT ARTHUR DISTRIC	г

OFFICE: Forestry Building, 14 Algoma St. North. Telephone Diamond 5-6543.

District Forester	W. L. Sleeman
SUPERVISORS	
Accounts	J. Chadwick
Fish and Wildlife	D. J. D'Agostini
Biologist	J.C. Weir
Forest Protection	M. Sauerbrei
Lands	W. Jarvis
Parks	E. Diamond
Timber	W.W. Wahl
Scaling	J.W.E. Peden
CHIEF RANGERS	
Port Arthur	W. Taylor
Black Sturgeon	J. A. Moore
	G. Murray
Shebandowan	G. Muliay
NURSERY	
Fort William	E.M. Cressman

SAULT STE. MARIE DISTRICT

OFFICE: Airdrome Building. Telephone Algoma 6-7461.
District Forester J.W. Lockwood
SUPERVISORS Accounts Fish and Wildlife N. D. Patrick Biologist N. D. Patrick Forest Protection T. Woodside Lands G. A. McCormak Timber CHUR PANCEDS
CHIEF RANGERS Blind River J. A. Huppe
Sault Ste. Marie
SIOUX LOOKOUT DISTRICT OFFICE: 38 Front Street. Telephone 740.
District Forester W.G. Cleaveley Assistant District Forester J. E. Barnes
SUPERVISORS
Accounts D. Munch Fish and Wildlife C.E. Perrie Biologist A.E. Armstrong Forest Protection E.W. Bouchey Lands S.N. Johnson Reforestation V.W. Fisk Timber J.K. Gaughan Scaling E. L. Sullivan
CHIEF RANGERS
CHIEF RANGERS Armstrong

Ignace.... F. Nicoll

SUDBURY DISTRICT

OFFICE. 7 Cedar. Telephone Osbourne 5-8394. (Direct line from Head Office)

District Forester		G. A. Hamilton
	SUPERVISORS	
Fish and Wildlife . Biologist Forest Protection. Lands Reforestation		G. Jennings C. Bibby G.I. Gillespie G. Bulloch A.S. Currie A.W. Chalk J.F. Flowers C.J. Munro
	CHIEF RANGERS	
Espanola		V. Bragg E. Morin W. Wetow
	SWASTIKA DISTRICT	
OFFICE: Swastika	Telephone Kirkland Lak	2000
OI I ICE. Swastma.	z onoponono zaminamia zione	c 5050.
OTTION. DWastina.		c 3030.
Accounts	.,	
Accounts	SUPERVISORS	C. F. Coyne H. Michiei D. Waldriff W. H. Charlton G. Barna J. McDougall H. Mattson D. A. Scott F. Janser
Accounts Fish and Wildlife . Biologist Forest Protection. Lands Parks	SUPERVISORS	C. F. Coyne H. Michiei D. Waldriff W. H. Charlton G. Barna J. McDougall H. Mattson D. A. Scott F. Janser
Accounts Fish and Wildlife . Biologist Forest Protection. Lands Parks	SUPERVISORS CHIEF RANGERS	C.F. Coyne H. Michiei D. Waldriff W.H. Charlton G. Barna J. McDougall H. Mattson D.A. Scott F. Janser F. Thib W.A. Adair V.L. Wilson

TWEED DISTRICT

OFFICE: Tweed. Telephone 361.

District Forester			٠				J. M.	Taylor
Assistant District Forester		۰	۰	٠	۰	٠	J.D.	Hughes

SUPERVISORS

Accounts												W. H. Porch
Fish and Wildlife .								٠				H.S. Dornan
Biologist				٠	٠					٠		R. E. Whitfield
Forest Protection.							۰			٠		McKinley Wilson
Lands												
Parks												
Timber												
Scaling	۰	٠			۰	۰	٠		۰	۰	٠	W.J. Everett

CHIEF RANGERS

Dacre		۰	۰	9		۰	۰	۰	۰	٠	۰			۰	۰	۰	M. D. Mulvihill
Bancroft.		٠	۰	۰	٠		٠							۰			O. Goodman
Tweed	٠	٠		٠	۰			۰				۰	٠				L. Fleguel

WHITE RIVER DISTRICT

OFFICE: White River. Telephone 186.

Accounts		W.C. Johnstone
Fish and Wildlife		E. A. Pozzo
Forest Protection		W. Kitt
Lands and Parks		J. Small
Reforestation		J. D. Griffiths
Timber		L. H. Eckel
Scaling		J. E. Rumney
	CHIEF RANGERS	
	CHILLI IMMODIU	

District Forester..... A. L. Dunne
SUPERVISORS

Jamestown C. Macdonald Mobert V. E. Niemi

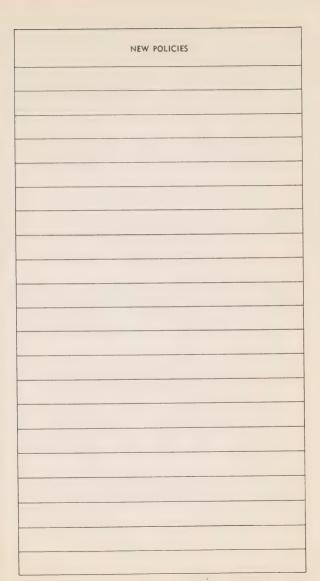
ONTARIO FOREST RANGER SCHOOL

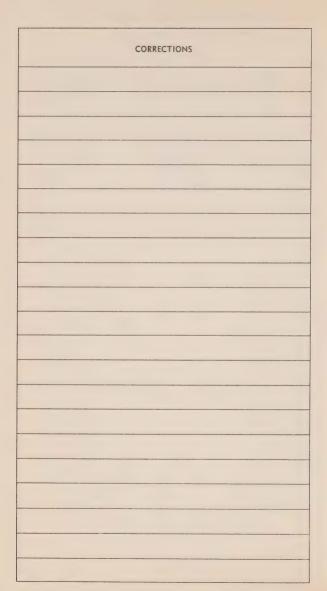
Dorset. Telephone Roger 6-2242.

Director.		٠									Q. E. Hess
Accounts											J. Palmer

INSTRUCTORS

E. Goodman
W. A. Morris
G. Pennock
W. P. Small
D. L. Lillow
W. E. Dickenson





RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R.N. Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within ecomonic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types-combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started-two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Chief: R. N. JOHNSTON										
Assistant Chief: A. P. LESLIE										
Executive Officer: A. R. FENWICK										
Executiv	e Officer: A. R. FENWICK									
	FISHERIES									
	K. H. LOFTUS									
	WILDLIFE									
	R. O. STANDFIELD									
	FORDSADA									
	FORESTRY									
	D. H. BURTON									
	MECHANICS									
	M. H. BAKER									
	STATISTICS									
	T. W. DWIGHT									

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advice on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

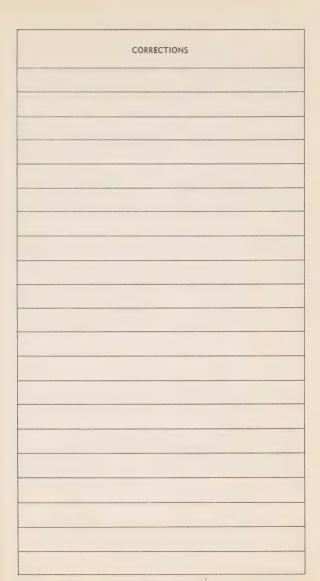
Wildlife

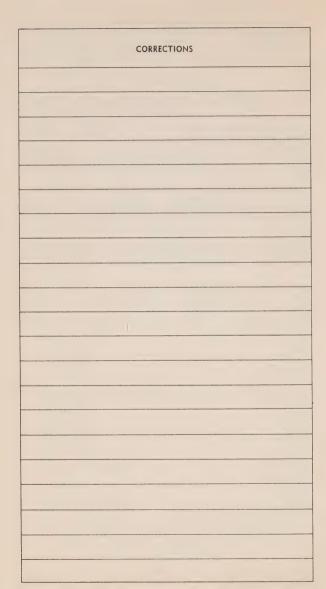
In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), furbearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife-mainly forest damage caused by deer, rodents and hares.





TIMBER BRANCH

The first timber sales in Ontario were made in 1826. Before that date, the only persons authorized to cut timber on Crown lands were contractors for the Royal Navy. In 1827, the system of selling timber licences at public auction was established. This system, requiring a lump-sum bonus price in addition to Crown dues, remained largely unchanged until 1903. From that year until 1924, timber sales were made on a basis of bid over and above Crown dues. (The bid was quoted in terms of thousand-feet board measure or other unit of measure.) The prices tendered above Crown dues and upset price were considered as bid price. This remains, in general, the basis of present sales.

From 1826 to 1867, an area of 12,000 square miles came under timber licence, providing a bonus of \$100,000. From Confederation until 1902, when the last lump-sum bonus sale was made, an additional 12,000 square miles were placed under licence. The average bonus on these sales was \$2,000 per square mile.

In 1935, the management of timber resources came under the control of the District Forester in every District. Previously, management had been the responsibility of Crown Timber Agents who dealt directly with Head Office.

The Ontario Rule was adopted in 1953. It replaced the Doyle Rule which had been recognized as the rule for measuring timber sales in Ontario since 1879.

The largest cut or red and white pine was 192 million cubic feet, cut in the fiscal year, 1908-09.

ORGANIZATION

In 1941, the Divisions of Timber Management and Reforestation were established under J. F. Sharpe and E. J. Zavitz, respectively, as Chiefs.

J. A. Brodie was appointed Chief of Timber on December 1st, 1957, at which time Timber and Reforestation were established as Branches in the newly named Division. Silviculture was established as a Branch in 1958. The Division was termed Branch and the Branches, Sections, in 1959.

TIMBER BRANCH

	Chief: J. A. BRODIE
Assista	ant Chief: M. B. MORISON
	REFORESTATION SECTION
	Supervisor: R.W. Hummel
	Tree Production and Distribution Soil Amendment Programmes Extension Forestry
	SILVICULTURE SECTION
	Supervisor: A.J. Herridge
	Forest Inventory Management Planning Silviculture Operations
	TIMBER SECTION
	Supervisor: L. Ringham
	Sales, Licensing Stumpage Appraisal Scaling
	Office Management
	Special Projects

FOREST RESOURCES INVENTORY

A survey of the exploitable forest resources of Ontario was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles.

In this continuous inventory, 66,900 square miles were rephotographed by the end of 1961.

REFORESTATION SECTION

Reforestation by the Ontario Government began in 1905 at Ontario Agricultural College in Guelph where a small number of seedlings were grown for transplanting on waste lands.

The nursery was moved to St. Williams when the first Forest Station was established there in 1908 by the Ontario Forestry Branch.

Across five decades, the steady development of the reforestation programme and the recognition of its importance was largely due to Dr. E. J. Zavitz, Provincial Forester and, in 1941, Chief of Reforestation.

The main purpose of Reforestation Section is the planting of trees on Crown lands and managed forests where natural regeneration is not successful.

The Section also provides trees and technical advice to private landowners to encourage the growth and sound management of woodlots.

VOLUME OF WOOD CUT BY SPECIES - 000's cubic feet in years ending March 31st

SPECIES	1946	1947	1948	1949	1950	1921	1952	1953	1954	1955
SOFTWOODS										
Balsam	15,146	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14,093
Hemlock	5,462	5,731	5,272	6,299	5,753	6,679	8,933	5,808	4,368	3,872
Jack Fine R and W Pine	30,550	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528
Spruce	193,286	188,645	208,678	174,652	134,310	207,318	251,831	155,873	163,447	175,666
Fue lwood	944	1,185	1,951	1,546	719	673	4,677	3,396	2,354	3,001
HARDWOODS		•	•	•	• • • •					
Birch Maple Poplar Fue lwood	3,214 1,527 6,087 836 964	4,092 1,797 14,190 1,020 580	4,764 2,053 11,576 1,652 1,755	5,541 2,499 13,653 1,054 1,061	6,303 1,976 6,036 1,166 1,148	6,679 2,361 12,478 568 1,145	7,892 3,592 22,049 1,530	8,623 3,043 14,272 1,577 968	8,589 2,207 15,756 1,293 691	7,506 2,265 12,955 1,802 552
TOTALS										
Softwoods Hardwoods All Species	308,184 12,628 320,812	311,845 21,679 333,524	342,951 21,780 364,751	308,761 23,807 332,568	234,098 16,628 250,727	343,530 23,231 366,761	424,936 36,398 461,334	293,352 28,483 321,835	286,605 28,536 315,141	309,724 25,081 334,806
Total Value (\$000's export	levy not	included)	:	•	•	•	•	10,428	10,756	11,473

1960		13,051	268	3,768	78,243	6,188	22,300	186,920	26	3	1,525		83	365	273	1,426	7,397	-	27	256	4,851	177	19,773	1,219		312,292	35,847	348,140	11,824	
1959		10,988	280	3,046	68,415	3,581	18,025	157,544	25	11	2,338		63	319	13.1	1,339	6,165		15	196	3,639	127	17,729	1,630		264,253	31,355	295,608	10,155	
1958		12,213	711	2,567	78,225	4,989	20,249	180,006	64	∞	2,359		72	274	136	1,458	7,173	40	12	192	4,261	133	20,205	1,532		301,390	35,448	336,838	11,412	
1957		13,766	284	5,050	266,66	6,150	26,171	207,392	56	22	2,536		46	295	160	1,314	6,312	-fcu	18	160	3,989	109	19,244	1,982		361,424	33,630	395,054	13,363	included)
1956		14,374	459	5,321	86,664	8,070	25,609	205,320	102	32	2,401		42	434	138	447	066,9	:	14	194	4,441	103	16,921	1,813		348,352	31,536	379,888	12,039	t levy not
SPECIES	SOFTWOODS	Balsam	Cedar	Hemlock	Jack Pine	Red Pine	White Pine	Spruce	Tamarack	Xmas Trees	Fue Iwood	HARDWOODS	Ash	Basswood	Beech	White Birch	Yellow Birch	Butternut	Cherry	E 1m	Map le	0ak	Poplar	Fue Iwood	TOTALS	Softwoods	Hardwoods	All Species	Total Value	(\$000's, export levy not included)

TIMBER CUT IN DISTRICTS in 000's cubic feet and \$000's in year ending March 31st, 1960

Value	\$, 486 1,953 1,963 1,963 1,773 1,773 80 80 1,038 626 1,038 685 587 197 197	
Bonus	\$ 555 182 182 186 187 186 187 187 187 187 187 187 187 187 187 187	
Dues	\$ 430 1,056 1,833 1,833 1,424	
Total Volume	18,193 34,970 15,568 65,376 45,697 26,291 2,140 15,723 15,723 11,830 30,367 11,947 11,947 11,947 12,947 12,141	
Misc.	124 127 128 128 128 128 128 128 128 128 128 128	
tChristmas	35 5,061 7,061 35 36,129	
tChristm: Fuelwood Trees	189 248 248 248 248 277 277 277 277 277 277 277 27	
Pulpwood	10,171 13,187 11,118 11,118 12,582 24,588 24,588 24,588 12,666 11,049 11,949 11,949 11,949 11,949 11,949 11,949 11,949 11,949 11,949 11,049 11	
*Boom Timber	449 477 477 477 182 126 120 171 171 171 173 173 173 173 173 173 173	
Sawlogs	6,484 1,483 321 6,573 6,573 3 8,634 946 1,532 2,651 1,532 2,8775	
Doyle Scale		
Ontario	1,302 1,566 1,207 6,119 608 608 608 1,004 1,276 1,178 1,051 2,197 1,051 2,197 3,208 3,208 3,404	
Permits	148 445 445 67 67 67 88 369 369 369 340 340 340 321 127 229 359 428 198 350 420 420 420 420 420 420 420 420 420 42	
DISTRICT	Chapleau Cochrane Fort Frances Gogama. Gogama. Lindsay Mapluskasing Kenora Lindsay North Bay Parry Sound Pont Arthur Sault Ste. Marie Sault Ste. Marie Stalt Ste. Marie Treed.	

‡ Number of trees, averaging 1/2 cubic feet, each. * Boom timber, pilings, poles, boom and dimension timber.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Value	\$10,756	12,191 13,514 11,565 10,297 12,282
Bonus	\$2,175	2,573 2,578 2,578 2,346 2,789
Dues	\$ 8,581 9,135	9,619 10,740 8,987 7,950 9,493
Total Volume	315,141	379,888 395,054 336,838 295,608 348,140
Misc.	1,574	505 579 1,184 1,170 477
‡Christmas Trees	27,430	64,325 44,945 16,106 22,655 6,129
Fuel- wood	3,647	4,214 4,517 3,891 3,968 2,744
Pulpwood	225,659	262,146 289,985 245,161 207,003 246,493
*Boom Timber	851	2,781 2,786 2,644 3,499
Sawlogs	12,119	33,326 22,967 27,762 28,687 28,795
Doyle Scale	25,267 5,826	352 239 106 21 118
Ontario	46,025	77,087 73,986 55,938 51,470 64,571
Permits		5,403 5,192 5,051 5,096
Year	1954	1956 1957 1958 1959 1960

MANAGEMENT UNITS as of March 31st

	CO	MPANY	C.	ROWN	Т	CTAL
Year	No.	Sq. Mi.	No.	Sq. Mi.	No.	Sq. Mi.
1954	36		87		123	•••••
1955	36	•••••	81	•••••	117	*****
1956	39	78,382	82		121	• • • • • •
1957	41	78,837	80	129,551	121	208,388
1958	43	85,034	81	125,397	124	210,431
1959	48	89,754	77	120,165	125	210,919
1960	101	100,408	72	83,294	173	183,702
1961	79	96,983	76	83,900	155	180,883

STAND IMPROVEMENT - Acreage treated in years ending March 31st

OPERATIONS	1957	1958	1959	1960	1961
Scarification	8,709	6,704	00046	8,824	4,247
Cleaning Brush Control	3,254	6,980	2,507	1,745	4,970
Thinning Pruning Xmas Tree Culture	785	2,225	550	225	1,158 4,080 706
Improvement Cutting Girdling	1,776	1,510	:::	77.2	2,525
Tree Marking	2,630		::	406	3,328
TOTAL	18,192	21,476	20,619	12,227	24,628

LICENSED AREAS, 1947-1954

Year	Number of Licences	Timber Licences Area	Pulpwood and Timber Agreements	Area Licensed (sq. mi.)
1947	906	11,710	56,745	68,455
1948	945	12,095	66,254	78,349
1949	906	11.975	66,980	78,955
1950	849	11,913	69,860	81,773
1951	811	10,810	74,257	85,067
1952	815	10.892	83,316	94,208
1953	793	10,802	87,007	97,809
1954	763	11,292	87,007	98,299

TIMBER LICENCES as of March 31st (Areas in square miles)

Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
731	6,435,50	85.075.40	21.10	91.532.00
748	6.140.05	88,273.71	170.26	94,585.02
604	5,600.65	89,952.49	200.94	95,754.08
586	5.354.80	98,149,46	181.33	103,685.59
569	4.520.62	99,612.16	199.90	104,332.68
573	4.206.22	99.818.60	186.98	104.211.80
569	3,647.71	99,103.39	137.79	102,888.89
	731 748 604 586 569 573	Number of Licences Section 2 731 6,435.50 748 6,140.05 604 5,600.65 586 5,354.80 569 4,520.62 573 4,206.22	Number of Licences Section 2 Under Section 3 731 6,435.50 85,075.40 748 6,140.05 88,273.71 604 5,600.65 89,952.49 586 5,354.80 98,149.46 569 4,520.62 99,612.16 573 4,206.22 99,818.60	Number of Licences Section 2 Under Section 3 Under Section 4 731 6,435.50 85,075.40 21.10 748 6,140.05 88,273.71 170.26 604 5,600.65 89,952.49 200.94 586 5,354.80 98,149.46 181.33 569 4,520.62 99,612.16 199.90 573 4,206.22 99,818.60 186.98

MILLS LICENSED 1947-1954

Year	Sawmills Under 5M Feet	Sawmills 5M To 30M Feet	Sawmills Over 30M Feet	Pulp Mills And/Or Paper Mills
1947	506	655	42	35
1948	544	661	49	35
1949	562	681	40	35
1950	597	713	43	35
1951	667	682	53	35
1952	640	676	58	35
1953	624	681	58	31
1954	631	642	56	29

MILLS LICENSED as of March 31st

	IVI	ILLS LICENSE	as of Mai	CH 31St	
Year	Sawmills Under 10, 000 ft. Daily Capacity	Sawmills From 10-50, 000 ft. Daily Capacity	Sawmills Over 50,000 ft. Daily Capacity	Pulp Mills and or Paper Mills	Total of Mills Licensed
1955 1956 1957 1958 1959 1960	1,120 1,115 1,120 1,124 1,120 646	159 162 160 158 135	58 59 57 57 54 23	29 29 29 29 29 29	1,366 1,365 1,366 1,368 1,338 822
1961	668	121	27	24	840

REFORESTATION ESTABLISHMENTS

As at March 31st, 1961

SEED PLANTS	YEAR ESTABLISHED
Angus	1923 1908
NURSERIES	
Chapleau Dryden Englehart Fort William Gogama Kemptville Midhurst North Bay Orono Sault Ste. Marie. St. Williams Swastika White River	1956 1958 1955 1946 1956 1946 1922 1954 1922 1956 1908 1958
DEMONSTRATION FORESTS Angus Bloomfield (Sand Banks Forest) Elizabethville (Prouse Forest) Fort William Kemptville Midhurst Orono St. Thomas (McKay Forest) St. Williams Speyside	1923 1920 1946 1946 1946 1922 1922 1940 1908
° DISPOSITION OF NURSERY STOCK	
Planted on Crown Lands Planted in Forests Managed by the Minister Supplied to Owners of Private Lands. Education and Scientific Purposes Miscellany, Departmental Exhibits, etc. Stored at Planting Sites, etc.	31,564,608 4,065,785 13,708,050 12,057 227,912 255,000

^{*} In year ended March 31st, 1961.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

	NO. OF
PERIOD	TREES
1905-1912	1,480,539
1913-1925	13,096,866
1925-1926	4,433,409
1926-1927	7,104,319
1927-1928	11,138,985
1928-1929	12,789,568
1929-1930	11,175,894
	11 040 000
1930-1931	11,846,920
1931-1932	10,303,569
1932-1933	9,422,463 9,760,730
1933-1934	
1934-1935	10,663,155
1935-1936	10,109,772
	11,261,644
1936-1937	12,339,993
1937-1938	16,921,906
1938-1939	17,266,697
1938-1940	11,200,031
1940-1941	13,511,299
1941-1942	11, 303, 187
1942-1943	10,522,917
1943-1944.	10,999,379
1944-1945.	11,280,981
1011-1010,	,,
1945-1946	13,175,575
1946-1947	12,269,533
1947-1948	13,049,776
1948-1949	17,700,970
1949-1950	19,027,807
1951-1952	20,749,268
1952-1953	24,241,754
1953-1954	23,448,860
1954-1955	25,519,383
1955-1956	28,351,483
1956-1957	31,081,112
1957-1958	25,854,262
1958-1959	33,414,110
1959-1960	41,682,125
1000 1001	40 000 410
1960-1961	49,833,412
TOTAL	618,133,622
TOTAL TITLE TO THE TANK THE THE TANK TH	010,100,022

TREES PLANTED ON CROWN LANDS in years ending March 31st

1953-61	1,509,942 10,950,994 6,719,970 3,558,254 4,309,970	8,018,947 286,060 4,967,884 704,977 2,073,922	4,768,373 3,421,216 3,124,822 8,101,438 7,293,848	6,371,224 13,183,574 988,496 5,674,822 6,718,649	5,916,786 3,507,735 30,160 66,100 128,593	•
1961	97,633 3,568,850 2,077,248 993,000 1,816,450	3,283,400 53,950 1,308,759 170,077 518,612	829,392 504,163 1,051,694 1,142,080 1,139,875	1,960,575 3,534,145 300,000 2,374,314 1,925,343	1,268,600 1,575,125 	54,875
1960	70,598 3,037,004 1,176,842 555,939 1,112,500	2,875,000 7,015 1,237,600 104,967 453,800	694,397 468,273 703,111 908,050 771,835	953,600 2,760,000 225,796 1,643,147 1,402,721	1,075,653 1,130,000 23,000 57,270 23,448,118	43,137
1959	828,616 1,751,000 1,028,400 675,715 623,015	1,000,250 19,460 884,100 54,505 383,760	540,000 540,813 322,077 918,200 991,948	796,700 1,747,117 150,000 533,415 991,110	882,000 455,000 23,997 9,500	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1958	188,177 789,600 525,118 629,800 363,180	400,000 40,210 461,100 12,192 243,600	709, 165 205, 713 196, 025 672, 984 598, 965	1,036,628 854,840 120,000 305,217 747,105	486,924 209,625 5,863 10,100 9,812,131	•
1957	69,123 1,004,100 791,800 535,000 224,600	330,231 64,912 626,425 168,088 252,200	929,760 311,817 189,900 1,188,600 1,239,300	783,799 1,474,375 104,000 384,050 803,050	938,195 73,450 13,000 12,499,755	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DISTRICT	Aylmer	Gogama	Lindsay	Port Arthur Sault Ste. Marie Sioux Lookout Sudbury	Tweed	Acres Planted

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

CONSERVATION AUTHORITY	1957	1958	1959	1960	1961	1953-1961
Ausable River Big Creek Region Ganaraska River Grand Valley Toronto & Region Middle Maitland	100,675 66,000 165,600 221,000 128,800 13,925 74,000	159,900 20,600 209,000 193,050 44,700 37,800	93,000 14,000 190,550 388,600 73,000 14,000 100,000	284,200 25,800 257,950 230,950 22,000 20,000 96,200	254,360 22,600 375,500 502,250 139,750 62,500 175,200	1,139,385 217,475 2,257,480 1,719,350 808,755 160,005 756,245
Napanee Valley Neebing Valley Onth Grey Region. Otter Creek Samble Valley Saugeen Valley	198,950	100,000	1,500 75,000 75,000 288,600 71,850	11,500 94,800 3,200 200,300 21,600	60,000 169,000 13,000 94,000 137,500 20,600	20,000 73,000 338,800 16,200 94,000 1,297,150 611,550
SUB-TOTAL	1,128,300	920,450	1,308,800	1,268,500	2,027,260	9,508,965
Chapple	10,250 25,000 88,950 60,375	25,000	10,175 9,725 10,000	41,200 41,200 18,775 27,000 50,500	25,000 12,025 4,475	62,500 51,375 351,375 351,375 351,375 9,725 95,775 294,275 481,625
SUB-TOTAL	184,575	115,900	29,900	137,475	41,500	1,171,550

:	11,450	1,203,200	117 000	11/100	1,046,249	174.250	455 320	040,00	70,200	265,675	1.683.050	156 735		153,800	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,100,313	163,250	140 250	0000000	0,636,280	179,100	2.805.525		100	113,523	745,047	327,100	702,400	387,250	275 700 00	27,070,105	32,706,680				145.103.416		
		000.66	1,500	0000	40,300	4.500	85 700			000,171	102,000	12 800	0000	8,000		94,500	12,000	44.000	200, 177	009, 797	40,000	193,500		000 301	000,001	85,475		55.700	74,250	1 007 005	1,777,023	4,065,785	6.739			35,630,393	61.614	
		87,000	33,500	182,700	1070	26,500	72,000				336,000		10 250	19,330	020 17	01,030	84,500	27,000	1.093.930	000,000,4		345,500		000 99	100000000000000000000000000000000000000	130,443	95,000		18,500	2 700 154	4,700,134	4,114,129	5,882			27.562.247	49,019	
		70,700	10,000	184 200	0000	14,000	114.100				225,300		48 000	000401	05 750	000,00	000.6	8,000	1.132.590	000000000000000000000000000000000000000	18,000	499,200			102 000	20,000	19,500	127,600	1,000	2 770 040	2,110,740	4,109,640				20,190,338		
	e (e (e (e (e (e (e (e (e (e (20,000	1,500	232,500	0000	17,800	29,000			0 1 0 1 0 1	195,600				000 99	200	17,100		956.613	000 70	000, 42	333,400		10,000	120 247	2000	13,300	86,500	23,200	2.230.960	2014 2014	3,267,310				13,079,441	• • • • • • • • • • • • • • • • • • • •	
11.450	0000	130,030	10,000	276.500	24 700	20,100	10,000	10,000	35 025	000	228,650	000,09	7,000			000 00	700,000	26,600	1,125,108	30,000	000000000000000000000000000000000000000	34%,930		34,500	14.600	113 200	000	80,800	108,200	2,731,233		4,044,108				16,543,863	• • • • • • • • • • • • • • • • • • • •	
Brantee	Danie	or accessors	Dufferin	Grey	Halton		Huron	Kent	Lanark	Tooks Commercial	reeds & Grenville.	Lennox & Addington	Middlesex	Northumberland	and Durham.	Ontario	OH CALLO	Oxford	Prescott & Russell	Renfrew		OTHICOC	Stormont, Dundas	and Glengarry	Victoria	Waterloo		Well wor the	YOFK	SUB-TOTAL		INIAL	ACRES PLANTED	Department Totals	3	TREES PLANTED	ACKES PLANIED	

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

1953-61	2,353,025	5,812,025	787,650	1,134,250	833,300
	1,285,575	367,550	288,200	1,937,400	1,167,800
	1,328,065	8,726,325	773,275	2,886,950	1,394,775
	1,124,725	1,511,725	5,107,030	2,233,795	599,875
	130,700	427,175	527,725	95,225	805,500
1961	281,950	877,600	138,200	119,050	75,650
	140,425	86,425	78,900	241,125	134,175
	156,400	544,475	217,575	243,125	179,625
	145,125	220,425	710,825	276,025	123,050
	54,550	56,325	111,625	13,975	92,825
1960	426,425	471,000	171,025	147,300	105,825
	161,450	52,925	43,400	200,200	161,375
	143,050	729,450	133,925	446,000	212,825
	148,275	146,875	753,825	250,750	93,900
	17,800	73,300	84,025	8,625	172,325
1959	387,525	784,725	117,925	166,200	108,600
	120,350	24,050	86,675	209,175	111,000
	165,675	692,400	79,550	327,725	203,800
	180,500	117,275	695,150	256,850	74,050
	1,800	44,500	50,425	12,950	120,750
1958	316,525	594,375	76,500	174,525	70,575
	105,775	43,225	12,825	150,650	118,950
	162,100	1,078,025	62,650	301,425	178,950
	157,175	125,775	590,375	252,175	44,900
	8,200	34,650	25,000	8,100	126,400
1957	239,350	1, 191,975	77,475	162,825	119,175
	243,950	36,800	15,025	164,700	113,475
	121,625	1,294,825	56,700	498,500	146,775
	106,425	216,650	569,955	282,000	48,300
	11,600	40,525	52,725	13,850	103,200
COUNTY OR DISTRICT	AlgomaBrant.BruceCarleton	Dufferin Dundas Durham Elgin Essex	Frontenac Glengarry. Grenville Grey	Haliburton Halton Hastings Kenora	Kent

391,700	2,247,550	3,146,475	2,608,175	897,175	1,064,800
983,925	2,815,475	802,800	2,608,175	1,775,100	3,687,725
1,623,600	4,732,025	1,685,640	515,300	200,675	2,228,300
4,154,975	1,336,175	1,169,925	13,827,870	1,571,449	5,520,330
1,314,600	6,067,100	182,375	254,600	1,838,850	112,450,579
28,925	317,125	414,050	140,425	169,700	134,175
50,375	255,550	53,550	389,875	271,075	224,800
301,125	652,550	123,700	165,875	17,700	315,700
288,150	119,625	747,025	1,085,925	129,800	916,300
91,175	450,600	51,525	115,225	176,975	13,708,050
57,025	312,200	353,275	179,700	1111,425	138,550
61,325	317,650	157,150	386,675	254,850	525,100
147,100	675,075	162,725	150,400	23,450	348,650
483,475	146,925	75,500	1,444,225	168,175	785,325
149,250	556,375	21,350	29,800	248,525	13,809,125
71,900 59,700 174,450 422,375 139,800	282,775 279,650 548,225 179,450	510,475 81,850 196,690 93,300 18,600	154,925 346,875 38,825 1,312,420 19,250	182,200 240,200 9,300 130,075 258,825	131,350 339,550 263,925 638,005
32,800	287,100	349,175	20,100	89,250	93,375
151,300	269,275	47,500	324,100	175,850	485,950
135,825	528,075	212,250	54,150	47,525	198,650
511,700	102,700	53,800	1,710,525	188,974	441,275
205,975	771,325	9,675	9,000	196,075	12,523,099
48,350	281,550	320,275	36,250	80,875	109,250
309,650	388,675	133,550	264,200	99,525	306,250
237,650	510,475	241,425	47,125	42,050	281,325
564,575	127,000	78,275	1,755,850	176,275	691,825
159,200	909,600	17,975	12,000	262,500	14,421,330
Lincoln	Norfolk	Pecl	Rainy River Russell Simce.	Sudbury Thunder Bay Timiskaming Victoria	Welland Wellington Wentworth York

FOREST AREAS MANAGED BY THE MINISTER

COUNTY	Date of	Acreage March 31st
COUNTY	Agreement	1961
Brant	15 Nov., 1952	50.00
Bruce	20 Jan., 1950	14,656.35
Dufferin	26 Nov., 1930	2,042.00
Grey	21 Dec., 1937	7,183.08
Huron	14 Mar., 1950	1,245.63
Huron	27 Nov., 1950	1,339.00
Lanark	23 Dec., 1953 5 July, 1940	76.975
Leeds & Grenville	5 July, 1940 24 April, 1940	2,561.00 5,625.50
Lennox & Addington	3 April, 1952	786.00
Middlesex	8 Mar., 1954	280.00
Northumberland & Durham	20 April, 1955	4,877.00
Ontario	9 July, 1939	1,900.00
Oxford	1 Sept., 1950	716.56
Prescott & Russell	22 Dec., 1948	23,485.83
Renfrew	26 Dec., 1951	963.00
Simcoe	25 Nov., 1949	16,135.69
Stormont, Dundas & Glengarry.	29 Sept., 1949	1,524.45
Victoria	10 Aug., 1928	7,044.00
Waterloo	17 April, 1950	710.48
Wentworth	27 Nov., 1952	889.30
York	25 Sept., 1952	3,772.08
Sub-Total		97,863.925
TOWNSHIP		
Bonfield	1 April, 1952	60.00
Charlottenburgh	1 April, 1955	175.00
Cumberland	29 May, 1952	808.44
Galway and Cavendish	1 Nov., 1952	100.00
Marlborough	21 Sept., 1953	200.00
Torbolton	28 Mar., 1953	430.80
Sub-Total		1,774.24
CONSERVATION AUTHORITY		
Ausable River	13 Dec., 1951	3,119.00
Big Creek Region	2 Dec., 1954	1,991.00
Ganaraska River	31 Jan., 1947	7,511.00
Grand Valley	18 Mar., 1952	4,023.69
Metropolitan Toronto & Region .	11 April, 1951	1,522.00
Middle Maitland Valley	1 April, 1955	466.00
Moira River	28 Nov., 1951	7,265.00
Vapanee Valley	28 Oct., 1954	4,485.00
Veebing Valley	15 May, 1958	1,030.70
North Grey Region	25 June, 1958	2,206.00
Otter Creek	26 April, 1957	762.00
auble Valley	23 Sept., 1959	1,580.00
augeen Valley	15 Dec., 1952	8,448.00
Jpper Thames River	11 April, 1951	3,249.56
Sub-Total		47,658.95
TOTAL		147,297.115

AREA AND POPULATION BY PROVINCES populations in 000°s

*1961	6,179	5,192	730	809	105	468	606	914	1,313	1,631	36	18,085
1951	4,597	4,055	642	515	86	361	776	831	939	1,165	25	14,009
1941	3,787	3,331	577	457	95	:	729	895	962	817	16	11,506
1931	3,431	2,874	512	408	88	:	200	921	731	694	13	10,376
1921	2,933	2,360	523	387	80	:	610	757	288	524	12	8,787
1911	2,527	2,005	492	351	93	•	461	492	374	392	15	7,206
1891	2,114	1,488	450	321	109	:	152	•	•	86	86	4,833
1871	1,620	1,191	387	285	94	•	25	•	•	36	48	3,689
ProvinceArea in Sq. Mi. Date entered Confederation	Ontario412,582	July 1, 1867 Ouebec594,860	July 1, 1867 Nova Scotia 21,068	July 1, 1867 New Brunswick 27,985	July 1, 1867 2,184	1, 1873 and1	Manitoba246,512	July 15, 1870 Saskatchewan251,700	Sept. 1, 1905 Alberta255,285	Sept. 1, 1905 British Columbia366,255	July 20, 1871 Territories **	CANADA3,845,774

^{**} Yukon, 207,076 sq. ml., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

* Official estimate at March 1st.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department establisted to replace host of local land agents who formerly administered the affairs of Woods and Forests,
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- $1867\,$ Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1886 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1908 St. Williams Forest Station established.
- 1909 Quetico Provincial Park established.
- 1910 Lumbermen assessed for full cost of maintaining fire -17 rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz.
- 1913 First Annual Report for Forestry Branch submitted by E.J. Zavitz as Director.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E.J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.

First air patrols carried out as a measure of forest protection.

1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E.J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions; Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named South ern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established. Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie. Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent: South-Central with Algonquin and Parry Sound: Central with North Bay, Sudbury, Sault Ste, Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region). The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis.
- 1949 White River District established (Central Region), the 22nd District.
- 1951 Division of Law abolished. Legal affairs directed by Departmental Solicitor.
- 1952 ane Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of mer-

chantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31st, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

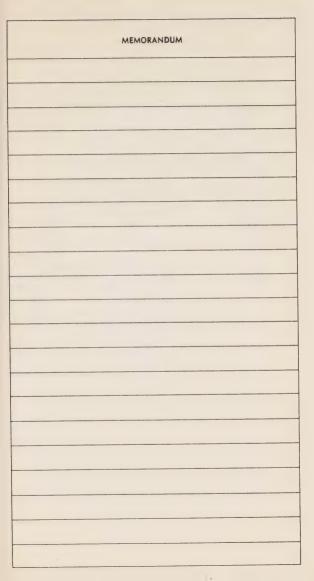
Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

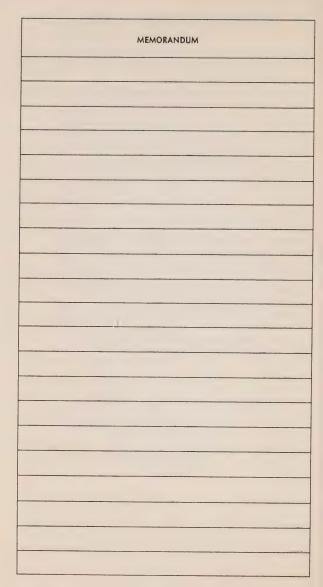
The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

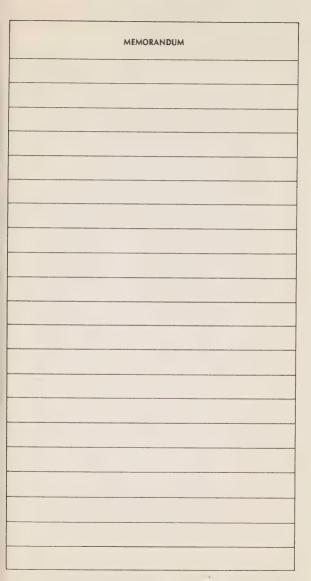
- 1958 Surveys Act completely revised.
- 1959 Silviculture becomes the third Branch in Division of Timber. Divisions re-named Branches and Branches re-named Sections as of December 1st.

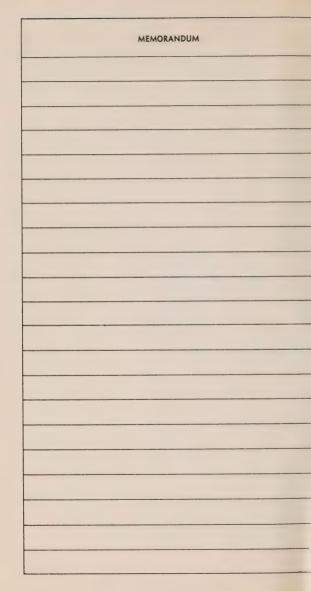
Law and Personnel become Branches.

1960 Twenty-eight wilderness areas established under The Wilderness Areas Act, March 26th, 1959.









LF45 576



STATISTICAL

Covernment Publications

REFERENCE OF LANDS AND FORESTS ADMINISTRATION 1963



DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.

F. A. MACDOUGALL
Deputy Minister



STATISTICAL REFERENCE OF ANDS AND FORESTS **ADMINISTRATION** 1963

OPERATIONS BRANCH

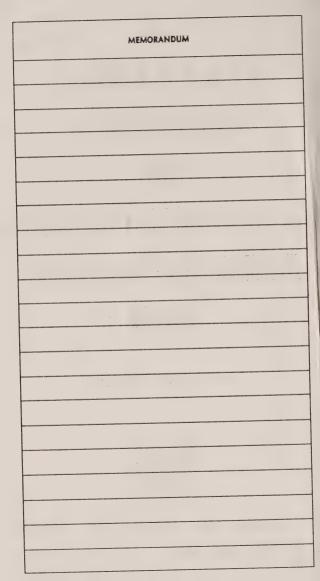


DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.

Minister

F. A. MACDOUGALL Deputy Minister



INDEX

	PAGE
Foreword Premiers of Ontario since Confederation Commissioners and Ministers since 1827. Deputy Ministers since Confederation	1 2 3 4
ACCOUNTS BRANCH Lands and Forests Revenue and Expenditures. Timber Section Revenue Fish and Wildlife Branch Revenue Lands and Surveys Branch Revenue Parks Branch Revenue. Cash Receipts	5 7 8 9 10 11 12
CONSERVATION AUTHORITIES BRANCH Authorities and Parks Attendance at Authority Parks Water Control Projects	13 15 18 19
FISH AND WILDLIFE BRANCH Fur Returns by Game Management Districts Pelts - Value and Revenue Bounties Paid (Wolf and Bear). Breeding Stock on Fur Farms Pheasants - Hunting Preserves and Farms Licences Sold - Hunting and Angling Prosecutions, Fines, etc. Fish Hatchery Production Commercial Fishing Equipment Yield of Fisheries by Species and Waters Hunter Safety - Training and Accidents	21 23 24 26 27 28 30 32 33 37 38 40
FOREST PROTECTION BRANCH. Historic Fires. Air Service Section Forest Fire Statistics Forest Protection Permits Major Equipment Air Service Statistics Air Base Opening Dates Radio Stations, Call Signs, Frequencies	41 43 44 45 50 51 53 56 59
LANDS AND SURVEYS BRANCH Disposition of Land by Patent Lands Acquired by Crown Summer Resort Lands Agricultural Land Sales Free Grant Land Land Use Permits Lithographed Maps Wildowness Areas	63 68 70 71 72 73 74 75

INDEX - Continued

	PAGE
LAW BRANCH, Acts administered	81 88
OPERATIONS BRANCH Lectures and Attendance Information and Education Services	99 101 102
PARKS BRANCH Attendance at Parks and Programmes Provincial Parks - Area and Public Use	103 105 106
PERSONNEL BRANCH. Number of Employees, Professional Employees Summary of Classifications Junior Rangers Administrative Districts, Areas Assistant Deputy Ministers Regional Directors, Regional Foresters District Foresters and Supervisors Ontario Forest Ranger School	109 110 112 113 114 116 116 117 128
RESEARCH BRANCH	129
TIMBER BRANCH Reforestation Section Forest Resources Inventory Wood Cut - Volume and Value Licences - Timber and Mills Management Units. Stand Improvement Reforestation Establishments Tree Nursery Production Trees Planted Forest Areas Managed by the Minister	133 135 135 136 140 141 142 143 144 145
FOREST RESOURCES, District Inventory Charts	151
COMMITTEES	173
POPULATIONS and Areas of Provinces	177
HISTORICAL HIGHLIGHTS	170

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1962 season and are subject to correction in the Annual Report for the year ending March 31st, 1963.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield		
Macdonald	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard	ŕ	
Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn	July 10, 1934	Aug. 21, 1942
Hon. G.D. Conant	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	

COMMISSIONERS AND MINISTERS SINCE 1827

				Pi		THUNE
	I	rom	1	- 41	To	tions
Hon. Peter Robinson	Tuly	17	1827	July	14	1836
Hon. R.B. Sullivan			1836	June		
Hon. John Davidson	Tuly	23	1841	Oct.		1842
Hon. A.N. Morin			1842	Dec.	11	1843
Hon. D.B. Papineau			1844	Dec.		1847
Iron. D.D. I apriicaa	ьсре.	٠,		200.	٠,	
Sir John A. MacDonald			1847	Mar.		
Hon. J.H. Price	Mar.		1848	Oct.		
Hon. John Rolph	Oct.	28,	1851	Aug.		
Hon. Louis V. Sicotte			1853			1853
Hon. A.N. Morin	Aug.	31,	1853	Jan.	26,	1855
Hon. Jos. Cauchon	Jan.	27.	1855	April	30.	1857
Sir E.P. Tache			1857	Nov.		
Hon. Louis V. Sicotte			1857	Aug.	1,	1858
Sir. A.A. Dorion			1858	Aug.	6.	1858
Hon. P.M. Vankoughnet .			1858	Mar.		
	35.	0.7	1000	3.5	0.0	1000
Hon. George Sherwood			1862	May		
Hon. Wm. McDougall	May			Mar.		
Sir Alex. Campbell			1864	June		
Hon. Stephen Richards			1867	July		1871
Sir Matthew C. Cameron.	July	25,	1871	Dec.	41,	1011
Sir Richard W. Scott	Dec.	21,	1871	Nov.	30,	1873
Hon. Timothy B. Pardee.	Dec.	4,	1873	Jan.	19,	1889
Hon. Arthur S. Hardy	Jan.		1889	July	21,	1896
Sir John M. Gibson	July	21,	1896	Oct.	21,	1899
Hon. E.J. Davis	Oct.	21,	1899	Nov.	22,	1904
Hon A C MoVey	Nov	22	1904	Feb.	8	1905
Hon. A.G. McKay Hon. J.J. Foy			1905	May		1905
Hon. F. Cochrane	May		1905	Oct.		1911
Sir William Hearst			1911	Dec.		1914
Hon. G.H. Ferguson			1914	Nov.	13.	
non. G.n. reiguson	200.	,		11011	,	
Hon. B. Bowman	Nov.	14,	1919	July		1923
Hon. Jas. Lyons			1923	Feb.		1926
Hon. G.H. Ferguson	Feb.		1926	Oct.		1926
Hon. Wm. Finlayson	Oct.		1926	July		1934
Hon. Peter Heenan	July	10,	1934	May	27,	1941
Hon. N.O. Hipel	May	27.	1941	Aug.	17.	1943
Hon. W.G. Thompson			1943			1946
Hon. H.R. Scott			1946	June	3,	1952
Hon. W.S. Gemmell	June	3.	1952	July	7,	1954
Hon. C.E. Mapledoram	July	7,	1954	July	4,	1958
Hon. J.W. Spooner			1958	Oct.		
Hon. A. Kelso Roberts, Q.C.	Oct.	25,	1962			

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941

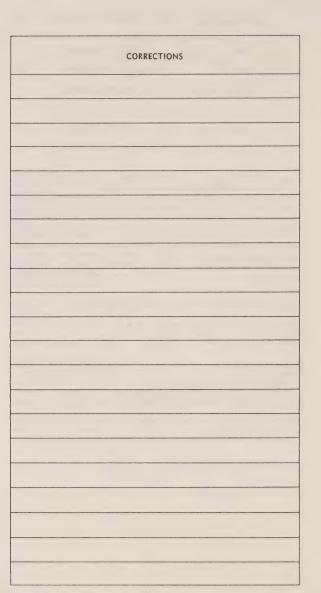
AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES	



ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R.R. MacBean was appointed Chief on January 1st. 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R.R. MacBean

Assistant Chief: F.M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable Issue of Fish & Wildlife Licences, Park Permits, Timber Accounts, Land Sales Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts, Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

Total 69.27-28 105.23-28 69.27-28 110.52-24-24 6.697,707-58 110.52-10-11 6.907,707-58 110.52-10-11 6.907,707-59 110.52-10-11 8.14,612.98 1215.151.77 10.628,1478.99 115.884.90 116.628,1478.99 115.884.90 116.28,143.49 117.603.32 11.602,255.69	Crdinary CAMR RECEIPTS 6,587,161.43 \$ 37,339.68 6,567,338.05 150,275.28 6,567,183.22 130,527.24 6,567,183.22 150,527.24 10,666,281.93 261,865.96 10,467,521.60 215,183.77 11,495,522.16 215,183.77 11,495,522.16 215,183.79 11,406,605.23 10,924,652.37 677,603.32 10,924,652.37 677,603.32 10,924,652.37 677,603.32 10,923,049.47 328,656.86 19,165,762.90 180,672.96 19,183,713.91 367,501.40 20,881,873.91 367,501.40 21,187,112.48 90,717.96 19,517,132.98
21,656,397.06	844,686.28
d- Operating deficit.	c- Grants to Conservation Authorities. d- O

^{*}Years to 1947 include former Department of Game and Fisheries. Water Power revenue transferred to Treasury Department in 1959.

p- Park improvements. w- Cut back in woods operations.

TIMBER SECTION REVENUE in years ending March 31st

	71,463 \$4,122,577 4,982,281 4,561,733 15,364 4,241,581	240 5,554,781 651 6,944,104 302 6,855,031 744 7,332,290 704 6,789,235	631 6,461,103 631 9,500,865 361 15,117,701 211 11,396,460 673 11,927,678	10,000 12,706,730 16,583 13,556,568 20,414 14,520,000 26,869 11,565,322 32,041 13,092,417
Cash Deposits Misc.	66,234 15,	59,004 13,240 164,784 17,651 130,506* 14,744 29,195 15,704	53,743 13, 26,954 24, 77,859 22, 14,373° 13,	18,024° 10,34,762 10,518,834° 20,1924 26,924 26,33,38,664° 32,664°
Fire Ca Tax an	\$276,577 436,395	419,323 461,164 456,444 440,011 485,313	1,007.662 1,010,554 1,175,776 1,052,635 945,953	971,517 1,091,659 1,041,837 1,085,027 1,057,804
Ground	\$79,370	115,299 125,061 126,875 108,934 112,139	116,642 114,197 123,366 79,832 76,019	76, 234 80, 786 81, 098 82, 258 82, 255
Crown	\$3,695,167	4,947,915 6,175,444 6,093,410 6,899,107 6,146,884	5,269,279 8,324,529 13,718,339 10,225,155 10,834,114	11,667,003 12,332,778 13,333,503 11,382,445w 10,381,470w
Year	1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959

*Refunds in excess of deposits. w- Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Total	\$1,175,429 955,786 969,083 1,186,524	1,642,731 2,240,911 2,420,661 2,813,876 2,774,518	3,065,752 3,319,915 3,409,915 3,800,735 3,989,256	4,154,714 4,205,827 4,434,531 4,439,824 4,622,207	4,848,111 5,054,516
Misc.	\$104,648 85,433 97,273 110,272	153,743 155,774 128,442 119,107	117,429 117,082 132,256 128,953 122,882	121,733 120,108 126,171 107,392 93,303	94,979
Trapping +Licences	\$175,815 161,635 195,286 247,562	277,768 274,139 206,514 328,171 293,426	321,698 341,664 398,604 353,005 343,220	317,052 272,952 277,800 268,276 252,001	279,484
Commercial Fishing + Licences	\$ 98,110 84,507 103,143 99,819	103,105 109,473 110,705 116,597 115,344	121,688 135,255 140,116 125,427 140,064	132,944 145,447 128,634 116,861 112,260	110,168
Angling Licences	\$ 476,520 306,264 288,685 412,073	605,321 1,000,866 1,156,904 1,350,501 1,450,180	1,637,775 1,868,746 1,949,892 2,086,074 2,204,668	2,279,336 2,294,761 2,431,977 2,337,425 2,399,612	2,435,611
Non-Res. Hunting Licences	\$124,365 93,245 89,450 115,590	218,855 361,887 453,790 468,705 364,922	401,490 340,255 156,913 447,366 454,643	513,088 545,979 563,004 588,852 698,968	797,213
Other Hunting Licences	\$ 97,769 102,245 75,153 79,390	110,253 132,907 146,601 176,301 194,228	200,790 222,998 249,982 251,535 277,237	295,320 292,098 317,375 346,914 352,197	357,021
Moose	\$ 3,278 4,373 4,697 4,813	7,051 9,316 11,878 16,787 352	7,719 33,487 52,464 73,460	90,040 134,210 173,650 214,664 245,033	358,695
Deer	\$ 94,924 118,084 115,396 117,005	166,635 196,549 205,827 237,707 242,208	264,881 286,226 348,665 355,911 364,082	405,201 400,272 415,920 459,440 468,833	493,361
Year	1942 1943 1944 1945	1946 1947* 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962

9

^{*}Department of Game and Fisheries to 1947.

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19.592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,367	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012

[†] Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

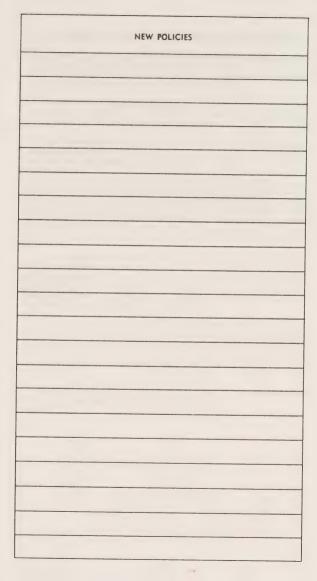
Total	\$ 58,621 244,333 581,356 568,938	995,573
Misc.	\$13,008 17,383 27,181 25,556	25,208
Federal Assistance	222,287	195,129
Concessions Rentals	44,775	60,868 58,831
Campsite Permits	\$ 45,613 78,462 124,137 206,148	331,481
Vehicle Permits	148,488 207,751 292,459	382,887 438,632
Year	1957 1958 1959 1960	1961

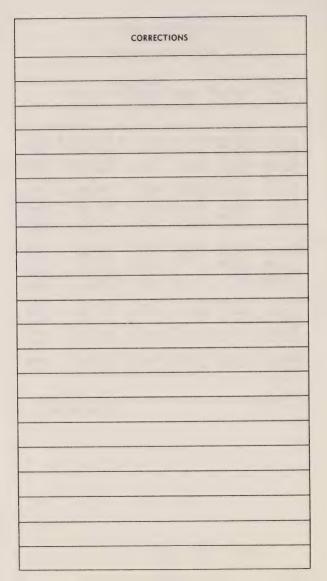
CASH RECEIPTS

In years ending March 31st

	Provincial	Map Sales Casual	Flying	Fire Costs	*Nursery Tree
Year	Land Tax	Fees	Fees	Recovered	Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183 \$	5,834
1043	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913		26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955 1956	644,961	30,660	16,724 15,267	46,487 98,385	216,247 174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941 84,097	32,236	94,637	160,362
1961 1962	1,172,530	109,227	21,980	53,823	111,660

^{*} The Forestry Act, 1952, provided for the sale of trees to private landowners.





CONSERVATION AUTHORITIES BRANCH

The original Conservation Branch was established in 1944 within the Department of Planning and Development (Economics and Development, 1961). A. H. Richardson, P. Eng., was Director and Chief Conservation Engineer until his retirement in 1961.

The Branch became responsible for the administration of The Grand River Conservation Act (1938), The Conservation Authorities Act (April 13, 1946) and The Parks Assistance Act (April 12, 1960).

The Branch was transferred to the Department of Lands and Forests on January 1st, 1962, under A. S. L. Barnes as Acting Chief. Mr. Barnes was appointed Chief on July 1st, 1962.

Under The Conservation Authorities Act, an Authority is a corporate body comprised of representatives of municipalities located in the watershed or group of adjacent watersheds which is the Authority area. Following a petition from these representatives to the Minister of Lands and Forests, the Authority is established by orderin-council to function on the basis of local responsibility. It is given broad powers to carry out conservation work, including flood control.

The Branch makes conservation surveys of the watersheds of newly established Authorities. The results of the surveys are compiled in conservation reports which are presented to the Authorities. On request, the Branch makes surveys and studies of resource problems for established Authorities. It also supplies technical advice on conservation problems to all Authorities.

All Authority projects must be submitted to the Branch for approval if a grant of money is to be requested from the Provincial Government. The policy is to make grants of 50 per cent available for the majority of approved projects. Three Authorities are carrying out water control schemes under joint agreements with Ontario and Canada.

By March 31, 1962, a total of 455 municipalities had appointed 623 representatives to operate 31 Authorities.

CONSERVATION AUTHORITIES BRANCH

Chief: A.S.L. BARNES

ADMINISTRATION

Supervisor: F.G. Jackson

Forestry ... P. M. R. Harvie
Wildlife & Recreation K. M. Mayall
Field Supervision A. D. Latornell
Parks Inspection H. J. Christian
Historical Research V. B. Blake
Land Use

ENGINEERING

Supervisor: J.W. Murray

Hydrometeorology D. N. McMullen (Government of Canada)

AUTHORITIES AND PARKS

AUTHORITY Area in sq. miles Date Established	CONSERVATION AREA (Park area)	Area Acreage Devel Total -oped
Ausable River	Exeter Lucan Morrison Dam Port Franks Rock Glen. Thedford.	3 9 77 314 20 17 12
Big Creek Region 610 Sept. 9, 1948	Abigail Becker Backus Black Creek Kelvin Quance Sutton Teeterville Vanessa Vittoria	12 80 20 21 6 12 8 12 50 5 30
Catfish Creek 189 Feb. 23, 1950 Central Lake Ontario 242 Value 18, 1950	Waterford	213120
July 17, 1958 Credit Valley	Belfountain	22 135 35 190 170 520 310100
Crowe Valley 775 Nov. 6, 1958		
Ganaraska Region 229 Oct. 8, 1946	Cold Springs Garden Hill Sylvan Glen	30 5 56 25 5 5
Grand Valley	Byng	144 60 58 15 307 225 200 105 90 197

AUTHORITY Area in sq. miles Date Established	CONSERVATION AREA (Park area)	Area Acreage Devel Total -oped
Grand Commission	Conestogo Luther Marsh Shand	5, 292700 4, 900 3, 200200
Holland Valley	Holland Landing	20 10
Junction Creek	Garson	3 3
Maitland Valley 984 Sept. 6, 1951	Ethel	28
Mattagami Valley 34 Nov. 30, 1961		
Metropolitan Toronto and Region 968 Feb. 1, 1957	Albion Hills Bolton Boyd Cedar Mills Claremont Cold Creek.	651150 20 883150 22 400 353
(Black Creek)	Dingle Edgeley-Dalziel Glen Haffy Glen Major Greenwood Heart Lake Humber Trails Humber Valley Oakbank Palgrave Forest Uxbridge Woodbridge	150 117 10 341 50 67 597 50 247 50 50 20 148 6 6 400 93 35 15
Moira River	Black River Deloro O'Hara Plainfield Prince Vanderwater	50 95 35 15 30 13 6 415150
Napanee Valley	Second Depot Lake	800

AUTHORITY Area in sq. miles	CONSERVATION AREA	Area Acreage Devel
Date Established	(Park area)	Total -oped
Neebing Valley 86 July 15, 1954		
Niagara Peninsula 950 Apr. 30, 1959	Ball's Falls Long Beach	127 142 42
North Grey Region 655 June 5, 1957 Nottawasaga Valley 1, 210 May 5, 1960	Bognor	75 68 38 29
Otonabee Region 603 July 9, 1959		
Otter Creek	Edison Lake Joseph Norwich Port Burwell	10 21 14 21 10
Sauble Valley	Colpoy Range Rankin River	4 4 178
Saugeen Valley	Bell's Lake Brucedale, Durham Mildmay Mount Forest. Southampton Varney	100 12 8 35 10 7 12 4 6 12 8
Sixteen Mile Creek 159 Dec. 20, 1956 (Sixteen Valley)	Escarpment Esquesing Kelso Chisholm	82 70 361 70
South Nation 1,512 May 8, 1947		
Spencer Creek	Beverley	50 50 257
Sydenham Valley		

1, 052 Jan. 12, 1961

AUTHORITIES AND PARKS

AUTHORITY	CONSERVATION	Area A	creage
Area in sq. miles	AREA		Devel
Date Established	(Park area)	Total	-oped
Lower Thames Valley			
Feb. 2, 1961			
Upper Thames River	Centreville	6.	3
1, 325	Dingman's Creek	18.	5
Sept. 18, 1947	Dorchester	18.	
	Embro	14.	
	Fullarton	81.	10
	Harmony	27	
	Harrington	13.	
(Fanshawe)			
	Kirkton		5
	Murray Forest	73.	
	Shakespeare	32.	20
	Wilton Grove	20	
	Woodham	74	
Twelve Mile Creek	Carlisle	10	
124	Mount Nemo	87	
June 12, 1958	Rattlesnake Point	90	
Whitson Valley			
123			
Sept. 3, 1959			
Totals: 31 Conse	rvation Authorities 2	0. 653 sq	. miles
	rvation Areas 2		

ATTENDANCE AT PARKS in 000's

Authority	1959	1960	1961	1962	
Metro Toronto	736	773	850	898	
Upper Thames	119	88	103	160	
Grand	187	178	185	231	
Credit	100	96	88	96	
Big Creek	17	36	125	80	
Niagara Peninsula .		48	58	70	
All Others	216	244	263	315	

51 Developed Park Areas..... 3, 196 acres

TOTAL...... 1,375 1,463 1,672 1,850

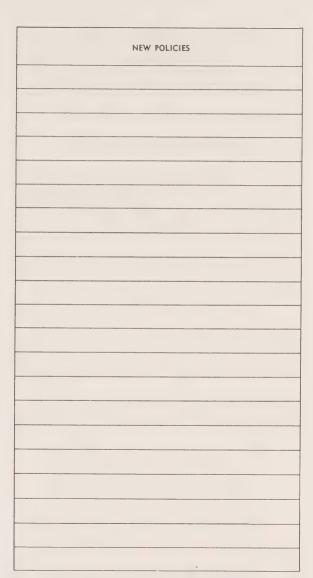
WATER CONTROL PROJECTS completed by March 31st, 1962

	LARGE DAMS and Year	r
Authority	RESERVOIRS Compl	eted Cost
Upper Thames	Fanshawe 1953	\$4, 912, 443
Grand Comm	Shand 1942	2, 056, 487
	Luther Marsh 1955	
	Conestoga 1959	4, 900, 000
	TOTAL	*\$12, 602, 915
	CHANNEL IMPROVEMENT	
Ausable	Grand Ben	1958 \$ 25, 260
Grand	Bridgeport	22, 531
	Speed River, Guelph	1961 778, 934
	Phase I and II, Paris	1961 13, 000
Credit	Erindale	1962 85, 000
Maitland	Listowel	1958 11, 863
	Listowel	1960 5, 490
Metro Tronto	Long Branch, Etobicoke	1949 226, 665
	Don, York Mills	160,000
	Don, Lower	69, 436
	Don, Lambton	1960 306, 680 1961 46, 600
	Lower Humber	1959 281, 086
	Lower Humber	1960 698, 430
North Grey	Peasmarsh (Indian Road)	1960 1,000
Saugeen	Walkerton	13, 531
Upper Thames	Ingersoll	1950 1,002,992
	Mitchell, Phase I	1960 35, 000
	RIVER DIVERSIONS	
Ausable	Port Franks	1950 158, 802
Metro Toronto	Brampton, Etobicoke Road Don, West Branch	1952 976, 600 1956 9, 701
	,	\$4, 928, 601
	101AL	\$4, 520, 001
STREAMBANK ER	OSION CONTROL	\$ 150, 188
	MAPPING, Acquisition	
	of Flood Plain Lands	\$ 134, 400
MISCELLANEOUS	PROJECTS	\$ 91,675

^{*}Canada, 37-1/2%; Ontario, 37-1/2%; Authority, 25%.

	SMALL DAMS	Year	
Authority	and Community Ponds		d Cost
Ausable	Morrison at Exeter	1957	\$199, 198
Big Creek	Sutton at Simcoe*	1960	15,000
Credit	Orangeville (land purch.)		30, 082
Crowe	Marmora*Allan's Mills*		29,000 2,000
Ganaraska	Garden Hill Dam	1960	8, 700
Grand	Queen St., Galt* Grand Valley* Wellesley Breslau Rockwood	1957 1958 1961	3, 574 15, 468 41, 808 24, 166 18, 036
Metro Toronto	Black Creek Dam	1960	198, 000
Holland	Fairey Lake*	1962	36, 914 20, 000 3, 450
Metro Region	Albion Hills	1960	76, 000 12, 500 392, 000
	Oakbank, Thornhill*	1956	2, 527 14, 000
Moira	Deloro Lingham Lake*	1953 1960	51, 621 8, 400
Napanee	Second Deport Lake	1957	193, 418
North Grey	Sydenham, Owen Sound*	1959	32, 000
Sauble	McNab Lake* Parkhead Dam* Rankin River* Shallow Lake Dam*	1960	1, 045 497 21, 850 1, 300
Sixteen Mile	Kelso Dam	1962	430, 000
South Nation	Casselman Dam*	1958	35, 936
Upper Thames	Dorchester Pond	1953 1954 1954	10, 868 32, 758 32, 730 3, 500 12, 000
	TOTAL	§	\$2,010,646

^{*}Repairs to existing structures.



CORRECTIONS

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wild-life management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1, 300 Deputy Game and Fishery Wardens.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: D.N. Omand Game Management Fur Management Field Services

FISHERIES SECTION

Supervisor: H.H. MacKay Game Fisheries and Hatcheries Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

sel	544	002 129 727 816 813	190 981 410 626 472	631
Wease	44,	2233	20, 17, 16,	12,631
Squirrel	209	4, 121 5, 598 16, 077 14, 256 16, 133	13,861 19,440 14,778 11,330 9,255	12,496
Skunk	169	4,538 5,747 5,749 2,506 1,879	1,105 2,019 572 389	216
Racoon	129	6,667 10,905 9,874 10,669 99,641	13,135 10,551 9,596 4,200 10,580	7,433
Otter	3,276	6,137 5,259 6,410 6,203 6,224	6,401 5,727 8,519 6,698 6,040	7,422
Muskrat	172,219	408,662 567,565 671,642 607,645 640,865	443,153 446,578 337,936 320,287	304,731
Mink	19,867	31,323 27,704 28,904 30,264 29,520	27,510 36,284 49,484 44,926 47,445	61,520
Marten	120	1,045 1,529 2,210 2,767 3,587	2,909 4,467 6,061 4,559 6,361	9,325
** Lynx	409	415 251 1,216 1,464 1,547	891 564 1,103 2,242 4,038	4,502
Col. Fox	2,783	3,341 4,871 5,784 4,604 2,879	2,619 1,253 2,031 1,858 1,188	1,655
Arc. Fox	39	139 198 54 685 98	163 60 128 302 85	98
Fisher	1,027	662 2,081 2,414 2,335 2,915	3,046 2,127 3,173 2,365 3,125	3,348
Beaver	46,208 62,717	81,790 99,391 109,260 91,484 115,439	98,084 106,738 140,371 120,566 110,615	132,375
No. of Trappers	4,326	11,379 11,641 12,332 11,914 12,310	11,001 9,529 8,604 7,826 8,657	9,100
Year	1949	1951 1952 1953 1954 4955	1956 1957 1958 1959 1960	1961

23

^{*} Management began in 1947.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

		NUMBER OF PELTS	OF PELTS			VALUE OF PELTS	LS
Year	Wild	Ranch Mink	Total Ranch	Total	Wild	Ranch	Total
_	876,204	73,770		977,634	\$4,966,209	\$2,262,888	\$7,229,098
~ ~	1,001,249	125,829	155,468	1,156,717	5,187,075	1,647,044	6,386,885
1950	931,890	143,513		1,090,802	4,248,297	2,165,233	6,413,530
-				963,787		3,101,559	7,684,460
2				1,111,715		2,355,226	6,012,145
6				1,255,189		1,005,518	4.588.280
1954	1,016,672	158,662	159,765	1,267,295	4,284,902	2,942,968	7,227,870
				959.593		4.129.555	
				1.036.983	2,575,809	2,978,209	5,554,018
. ~				1,029,095		3,943,119	
				943,102		3,969,224	
0961	641,093	286,845	287,265	928,358		4,450,571	
7		348,192	348,602	1,029,480	2,469,875	4,441,088	6,910,963
1962	627,283	385,650	385,962	1,013,245	2,451,075	5,593,485	8,044,560

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

50	Tanners	\$ 23,229 27,153 18,075	15,493 26,314 25,430 34,795	20,767 27,596 9,407 8,353 6,950	9,017
ROYALTY ON WILD PELTS	Total Export	\$188,560 238,073 219,949	241,938 300,321 300,799 268,823 242,490	196,956 194,340 224,921 195,586 188,562	224,237
ROYA	Export Beaver	\$ 91,694 40,166 148,506 131,200	163,690 211,006 185,103 157,635 135,919	112,663 111,278 140,930 119,684 109,757	130,167
	Tanners	214,636 294,017 271,167 181,723	149,340 188,847 256,476 240,441 325,947	190,566 248,613 149,779 112,564 106,374	111,268
NUMBER OF PELTS	Total Export	762,998 862,700 940,378 909,079	814,447 922,868 998,713 908,990 941,348	769,027 788,370 879,316 830,538 821,984	918,212 897,511
	Export Beaver	45,847 20,083 74,253 65,600	81,845 105,503 122,287 105,071 134,729	112,663 111,278 140,930 119,684	130,167
	Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959	1961 1962

BOUNTIES PAID in years ending March 31st

	Total Amount Paid	\$59,275 54,923 57,977 56,927	46,457 41,803 46,550 41,853 38,703	37,550 38,950 37,255 41,589 33,619	48,766
	Total	2,540	2,100 1,895 2,120 1,891 1,736	1,675 1,675 1,655 1,824 1,509	2,138 1,998
WOLF BOUNTY	Pups	22.81	48861	4 4 3 1 1 8 4 4 3 1 1 8	57
Δ	Brush	1,182 961 1,062 890	651 739 720 620	559 486 574 506 518	761
	Timber	1,440 1,515 1,581 1,613	1,405 1,313 1,313 1,012	1,088 1,195 1,047 1,169 939	1,320
	Total Amount Paid	\$ 9,735 6,035 8,530	4,645 4,180 6,805 10,000 11,590	6,310 6,225 16,930 11,145 7,590	4,150 *3,405
BEAR BOUNTY	Under 12 mts. \$5 each	73 17 67	29 29 145 93	50 300 116 139	*33
	12 mts. and over \$10 each	959 509 803	453 408 662 947 1,126	614 611 1,568 1,084 697	401 *328
	Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959	1961

*Payment of bear bounties ended on July 27th, 1961.

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
Fox	200	75		89	70	81	56	57	8	96	97
Cross	440	340		720	1 1	7 2 7	1,0	•		•	
Platinum	559	267	159	136	136	108	105	186	232	280	367
Standard Stlver	7 812	1 847		60	* ;	900	1	12	13	7	0
White Marked	226	111		36	16	739	991	150	178	292	212
Fotal Fox	4,260	2,375	-i	1.047	934	200	440	408	808		• N
Mink	73,034	73,535	~	75,340	85,332	101.721	109.936	119.299	130.294	130, 294, 142, 600	15.4
Beaver	22	16		36	16		-	-			
Fisher	21	13	10	0	Ξ	12	12	1 00		1 (4	•-
rynx	• (•	•	•	•	•	•	•	•	•	
Marten	23	36	24	62	20	81	85	76	89	96	64
Muskrat.	66	192	264	707	82	62	54	47	•		
Kacoon	46	47	89	57	47	43	43	33	24	22	20
Skunk	•	~	•	:	•	2	NO.	63	60	60	100
OF FARMS	914	492	631	549	\$29	543	520	513	496	200	508

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1961-62

Adminis- trative Districts	Number of Preserves	Total Acreage under Licence	Total Purchases	Total of birds Released	Number of birds removed by Hunters	Number of hunters on Preserve	Stock Birds on hand as of March 31, 1962
Aylmer	16	6,071	7,805	7,036	4 ,486	1,031	1915
Hespeler	6	4,715	7,497	7,902	4,144	724	716
Maple	col	1,378	5,963	5,154	3,302	1,376	285
Lindsay	9	1,422	1,204	1,922	1,251	330	355
Parry Sound	-	100	460	460	338	53	NIL
Sudbury	-	400	35	35	10	4	NIL
Tweed	71	397	175	4,880	1,305	170	500
Kemptville	7	200	425	255	203	54	NO.
Sault Ste, Marie	2	558	345	1,300	733	373	35
Totals	44	15,741	23,909	28,944	15.772	4.115	3811

ACTIVITIES OF COMMERCIAL PHEASANT FARMS, 1961-62

		PURC	PURCHASES				SALES		
Administrative District	Number of Farms	Eggs	Chicks and Poults	Adults	Dressed	388 88	Chicks and Poults	Live Adult Birds	Stock on Hand as of March 31, 1962
KemptvilleLake Erie	50	Nil 1,286	11,122	409	Nil 3.044	Nil 4.768	Ni1	7 450	269
Lake Huron	65	190	10,262	2,296	8,339	1,560	3,261	1.860	2,643
Lake Simcoe	31	000	7,914	847	4,405	4,461	2,525	1,804	1,253
Lindsay	14	445	1,764	138	1,266	134	827	553	404
Farry Sound	۲,	Z Z	315	Nil	Nil	150	814	410	121
Pendroke	٦,	I T	170	33	Nil	Nil	Nil	Nil	50
Sault Ste, Marle	η,	N I	300	47	930	Nil	400	100	1.585
Sudbury	- ;	Z I	Nil	Nil	825	Nil	Nil	300	N. I.
Iweed	11	Nil	1,085	20	1,391	72	145	413	1,009
TOTAL	181	2,821	32,957	4,588	20,200	11,145	29,227	12,913	10,958

HUNTING LICENCES SOLD

BEAR & WOLF	Non-Res.	181	783	1,176	1,14/	3,060	2,490	1,750	2,031	4,803	4,000	3,040	3,607
SAME	Non-Res.	1,949	3,620	3,300	2,040	5,400	3,810	6,010	5,905	5,503	0,243	0071/	7,103
SMALL GAME	Resident	92,847	155,309	186,060	213,594	240,040	256,341	318,000	316,778	377,589	378,666	383,203	377,047
	Total	1,528	3,786	4,700	•	1,400	5,833	066.6	14,962	25,050	29,780	36,160	44,752
MOOSE	Non-Res.	1,426	1,230	1,700	•	• •	637	066	1,521	2,362	3,431	4,212	5,775
	Resident	875	1,694	3,000	•	1,400	5,196	9,000	13,441	22,688	26,349	31,948	38,977
	Total	41,039	70,790	85,000 88,324	96,820	069,66	101,085	113,200	105,505	115,366	109,948	120,404	111,948
DEER	Non-Res.	2,385	7,877	11,300	12,440	10,400	8,300	10,400 8,050	7,426	6,043	5,988	6,004	5,788
	Resident	38,654 53,930	62,913	73,700	84,380	89,290	92,785	92,800	98,079	109,620	102,960	114,400	106,160
	Year	1944	1946	1948	1950	1951	1953	1954	1956	1957	1959	1960	1961

** U.S.A. ban on importation of cloven-hoofed animals.

TOTAL LICENCES SOLD

	ANG	LING		HUNTING	
Year	Resident	Non-Res.	Resident	Non-Res.	Total
1944		89,291	132,376	5,168	137,544
1945	• • • • • •	126,367	186,680	9,451	196,131
1946		171,400	219,916	14,556	234,472
1947	*****	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457

PROSECUTIONS in years ending March 31st

	Seiz-	Public	*Total	Convic-	Colle	cted
Year	ures	Sales	Sales	tions	Costs	Fines
1947	1,844	\$	\$37,202	2,040	\$1,216	\$44,267
1948		4,700		2,880		
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2 (10	0.751	21 524	2 720	1 507	47 622
	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872		23,633	2,880	1,387	50,460
1954	2,975		25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,967	1,281	44,444
1957	2,751	9,389	24,596	2,620	1,204	43,895
1958	2,996	9,392	24,320	3,040	1,602	47,443
1959	2,472	10,397	25,018	2,460	1,183	42,876
1960	2,290	9,236	20,612	2,198	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,019	927	43,720

^{*}Includes Redemptions.

FISH DISTRIBUTION FROM ONTARIO PROVINCIAL HATCHERIES in 1961

	Splake						8 1			, ,	ŧ					1 1 7	2,040A	97,0687	1 1		. :	
	Walleye			2 1		1 1			23,200,000E	585,000E		ı	1 1		1 1	8 1		. 1. 1		3 280 000E	66,923Fg	11:
4 1 1 1 1 1	Whitefish		ŧ	1 1	٠.		.,		13,875,000E	53,685,000F		ı	1 1	4 1		1 1		1 1	1		1 :	
Mochinoma	Maskinonge	٠.		2,832,500F	83000	1 1	1 1	1 1			: ;	1 :			1 1	1 2		1 1	1 1		1 1	ATT.
Smallmouth	Dass			, ,						1 1	2,000Fg	175A	1 1		, ,	110,000F	65,000Fg 159A	1 1	88.000Fg	27,300Fg	120,000F 87,900Fg	177A
Largemouth	0000		٠.								8,000Fg	1 / OM	1 1	4 1		, ,	* :		۰ ،	17.250Fg	1	1 1
Brown		1 077		1 1		1 6	8 1				4,000Y	1	٠.							1,0004	1 1	- ake Hatcher
Rainbow			30,580Y		1,740Y	46,396Fg	4,655Y				1 1	3,000E	12,000Fg	7.000X	T I	1,000Fg	18.800v		K000,09	4,100Y		d from Hill I
Lake Trout			20,500Y		7/0, 780Y	43,700F	8,278A	48.000Fo		1	1 1	,	13,500Y	70,000Fg	66.000Fg	10,6407	229.000Y		42,000Y	10,000Y	82,000Y	135, 500Fg ere distribute
Brook	15,000Fg	148,260Y 41,950Y	53 5450	311 02 52	34,7957	30,000E	337,680Y	48,002A 120,500Fg		84, 900Y	17, 300r	47,000Y	118,250Y	122, 800Fg	199,2907	223,850Y	79,500Fg	295,985Y 900A	46,000Fg	5,000Y 293,550Y	1 1	at yearlings w
HATCHERY	Chatsworth (TRS)	Codrington (TRS)	Deer Lake (PS)	Dorion (TRS)		Hill Lake (TRS)		Kenora (JH)	Little Current (JH)	Midhurst (PS)	Ingersoll (PS)	Normandale (IKS)	North Bay (TRS)	Pembroke (TRS)	Port Arthur (TH)	Sanurield (FS)	Tarentorus (TRS)		:	Westport (PS).		Marton (TH)

33

DISTRIBUTION OF HATCHERY FISH in 000's

*1952
97
358 720 385 623 15 18
8,100 1,100 3,600
2,360 3,750 2,740 22 62 43

	:	965	: :	::	::		•=	• • • •
:::	:	27,		• •		6		(1)
::	:	53,790		::	::			. 00 . 07 . 07
• • • •	:	30,875		::	::	135		193
• • • •	:	56,245		::	::	208	• •	133
	:	90,565		::	::	16	• •	36 170
F4	:	138,805		::	513	• 00 •	• •	29 151
red	•	91,800 138,805	0	423	::	10	• • •	101
	:	6,000	:	::	::	17.	• •	100
• • •	:	270,975	•	::	::	N	• •	92
24	:	176,285	72	::	::	• • •	::	108
* * * * * * * * * * * * * * * * * * *	:	234,610 176,285 270,975 6,000	:	::	• •	• • •	• •	283
OUANANICHE Flagerling Vaerling	PICKEREL (Walleye)	Eggs. Fry. Fingerling.	SALMON, Atlantic FingerlingSALMON, Chum.	Eggs. Fingerling	Eggs Fingerling	FingerlingAdult	Fingerling	Eggs. Fingerling. Vearling.

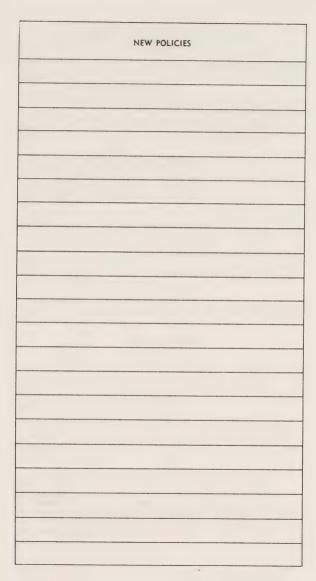
DISTRIBUTION OF HATCHERY FISH in 000's

SPECIES	*1951	*1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
TROUT, Kamloops				3.	1		13	36	20	:	* *
(元)	: :	: :	: :	•	:	:		2:		• 6	:
Fingerling	• 1	7	• • • • • • • • • • • • • • • • • • • •	141			123	95	95	79	: :
Yearling	35	٥/ : :	100	111				32	ı	•	:
TROUT, Lake	:	:		•		12	:	:	•	:	:
NAME (1,775	1,849	250			10	• 6	• •	40	200	370
Fingerling	3,147	3,499	6,985	2,606	2,612	736	230	832	634	653	715
Yearling	134	431		CT &				3		•	œ
TROUT, Rainbow	10	7	25	•	•	:	:	•	:	:	102
Yearling		•	1	*		:	:	•	:	:	677
TROUT, Speckled				720	02		200	•	580	49	30
Edos				000		35	91		•	15	• 1
Fingerling	945	537	1,963	166	842	1,332	522	789	455	864	764
Yearling	3,087			2,056	1,991	2,092	2,677	2,079	1,807	1,616	73
Legal Size	12			*	91	19	P	70	3	2	
WHITEFISH				42 665	67.165		13,435		1,000		13,875
Eggs	121,185	200,400	200,400 186,700	139,210 102,950	102,950	11,130	67,275	47,515	44,985	62,993	53,685
TOTAL	378,080	392,272	479,069	378,080 392,272 479,069 430,780 286,267 212,410 180,704 142,682	286,267	212,410	180,704	142,682	89,880	89,880 140,342 102,623	102,623

^{*}Figures for 1947-1952 Compiled on Fiscal Year Basis.

**Rainbow Trout Included in Kamloops Trout Plantings.

³⁶





FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1885. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees...the net expense to the province was under \$5,000." Mr. White asked for \$8,000 for his new budget,

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

ORGANIZATION

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E. J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively. J.A. Brodie acted for Mr. Mills during his absence on war service.

T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

FOREST PROTECTION BRANCH

Chief: T.E. MACKEY

Assistant Chief: J.M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control Forest Insects and Disease Improvements and Equipment Radio and Telephone Communications Records Statistics Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: W.B. Buckworth

Procurement, Operation and Maintenance of fleet of aircraft Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V. H. F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

In 1961, a total of 70 aircraft were engaged at various periods in suppressing Sioux Lookout fires.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over, 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

HISTORIC FIRES (Continued)

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire near Chapleau and fire deep in the bush (believed started by a trapper) burned over 900, 000 acres. Prompt action salvaged 200, 000 M. B. F. of lumber and 125, 000 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, dry lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15th, 12 fires burned over 1, 125, 000 acres in areas accessible only by aircraft.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W. Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peace-time flying, became Director in 1934.

The most important additions to the fleet were 16 D. H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Six Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

An Otter was written off in north-western fire area in 1961.

In spite of unfavourable flying conditions, only 26 aircraft have been written off. The last of 19 flying fatalities occured in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically. In 1961, they were modified to turn inwardly.

W. B. Buckworth was appointed Supervisor on February 19, 1962.

ESTIMATED FIRE DAMAGE

TE	GE	682	56,389 31,347 81,778 15,650	22,319 113,751 97,036 20,757 56,442	152,638 73,427
PRIVA	DAMAGE	\$103,682	331 31 181 184,	1113 97 56,	152,
** ECE	DAMAGE	\$ 55,148	389,447 29,504 393,874 406,241 3,591,680		65,874 §31,989,802 18,496 68,351
OUCTION*	Total	\$ 19,538 \$	93,552 9,722 97,654 157,154 913,953	197,901 34,808 88,818 7,332 9,764	65,874 18,496
DAMAGE TO REPRODUCTION*	Private	\$10,927	1,121 553 9,843 793 13,622	2,411 11,722 35,242 4,752 1,427	3,687
DAMAGE	Crown	35,609 \$ 8,611	92,431 9,169 87,811 156,362 900,331	195,491 23,086 53,576 2,579 8,337	62,187 10,910
1AGE Only)	Total		295,895 19,782 296,220 249,087	2,870,251 428,252 222,685 14,709 428,330	31,923,928
TIMBER DAMAGE (Crown Dues, Only)	Private	\$19,365 \$	1,880 5,769 16,880 838 5,870	2,118 21,876 49,309 2,470	14,993
TIM]	Crown	\$ 16,244	294,015 14,013 279,340 248,249 2,671,857	2,868,133 406,376 173,377 13,882 425,860	31,908,935
LMAGE Ft.)	Total	3,561	29,590 1,978 29,622 24,909 267,773	155,378 21,121 11,186 21,722	1,596,196
TIMBER DAMAGE (000's Cu. Ft.)	Private	1,937	188 577 1,688 84 587	1,014 2,465 123	750
TIMB (000)	Crown	1,624	29,401 1,401 27,934 24,825 267,186	155,305 20,107 8,721 680 21,293	1,595,447
	Year	1950	1951 1952 1953 1954 1955	9561 1588 1688 1688 1688	1961

^{*} Protection Charges, 1950-1955. Preliminary report.

[§] Most of this timber was inaccessible.

FOREST FIRE SUMMARY

	NUMBER O	F ACRES BUF		Number	Averag
Year	Crown	Private	Total	Of Fires	Acreage
1917	*****	•••••	384,164	1,110	346
1918	• • • • • •	• • • • • •	30,172	965	31
1919		*****	922,161	1,780	518
1920	• • • • • • •	•••••	358,851	1,287	279
1921			749,534	1,269	591
1922			346,193	1,021	339
1923	******		2,120,148	1,343	1,579
1924			146,017	851	171
1925	•••••	•••••	189,543	1,149	165
100/	/F 000	22 496	00 274	1 110	80
1926	65,888	22,486	88,374	1,110 924	39
1927	22,772	12,970	35,742		
1928	96,436	3,947	100,383	536	189
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1026	1 202 00/	110 550	1 0/4 422	2 2/4	558
1936	1,153,876	110,557	1,264,433	2,264	
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939 1940	26,089 100,990	3,009 20,624	29,098 121,614	961 1,014	30 120
1940	100,990	20,024	121,014		120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	45,510	966	47
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
2700	27,170	4,170	01,000	750	00
1961	1,180,900	3,828	1,184,728	1,305	908
1962*	7,551	6,246	13,797	1,521	9

^{*}Preliminary report

1962 FOREST FIRES (Preliminary Report)

DISTRICT	NUMBER OF FIRES	ACRES BURNED	AVERAGE ACREAGE
Chapleau	26	23	1
Cochrane	1,230	26	47±
Fort Frances	3	10	
Geraldton	529	31	171
Gogama	224	44	5
Kapuskasing	1,566	30	52
Kenora	260	50	5
Lake Huron	14	10	11
Lake Simcoe	25	27	1
Lindsay	200	57	4
North Bay	1,258	141	9
Parry Sound	349	258	11
Pembroke	456	128	31
Port Arthur	106	46	21
Sault Ste. Marie	384	80	5
Sioux Lookout	1,300	59	22
Sudbury	4,440	332	13
Swastika	789	41	19
Tweed	560	106	5
White River	78	22	21
MONTHS			
April	127	1,280	10
May	246	1,657	61
June	231	3,750	16
July	450	3,413	7
August	285	3,209	11
September	137	284	2
October	24	62	21
November	21	142	7
Total	1,521	13,797	9

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

ORGIN	1948	1949	1950	1921	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	*1962
Land Clearing	147	152	107	74	112	93	42	148	49	125	123	52	55	80	116
Cambing	432	451	256	191	315	300	221	390	961	379	325	323	265	295	299
Smokers	461	340	33	173	214	379	147	298	145	342	371	159	116	201	:
Railways	333	138	66	139	131	188	82	189	122	176	149	67	49	62	78
Moad Construction	46	82	47	50	26	13	11	13	34	73	63	12	18	15	:
Logging	52	52	39	90	31	24	13	53	22	39	17	35	20	19	26
Mining	9	9	60	12	rO.	64	10	11	9	7	~	64	64	64	0
Prospectors	8	9	prof		0	pri	64	11	00	60	-	*	Н	1	:
Incendiary	35	32	16	16	13	19	35	31	00	36	43	13	12	31	38
Miscellaneous	31	94	89	74	108	143	74	148	123	194	229	116	6	143	277
Unknown	٥	10	00	00	10	14	0	33	64	32	17	14	11	11	6
Lightning	433	468	93	151	130	357	252	928	302	275	219	242	310	445	301
Total	2,036	1,834	985	904	1,095	1,520	881	2,252	1,017	1,671	1,558	1,027	926	1,305	1,521
Man Caused - Total	1,603	1,366	892	753	965	1,163	629	1,324	715	1,396	1,339	785	949	860	1,220
Percentage.	79	74	16	83	88	77	71	59	20	20	98	26	68	99	80
Prosecutions	0	•	•	•					62	55	7.1	30	31	54	47
Convictions	•								56	41	62	35	30	47	43
* Preliminary Report	ort	Sy	stem o	f repor	System of reporting changed in 1962.	ged in 1	962.								

48

575 630 352 310 344 528 353 891 262 575 581 414 304 419 411 337 117 122 139 216 126 395 189 202 121 91 158 246 809 699 423 400 530 654 356 189 753 769 458 431 566 571 574 1060 1951 1962 1953 1954 1965 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967 1988 496 1967	MEANS OF DETECTION	V 1948	1949	1950	1921	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	*1962
411 337 117 122 139 216 126 395 189 202 121 91 158 246 346	Towers	575	630			344	528		168	262	575	581	414	304	419	628
1948 1949 1950 1951 1952 1954 1955 1956 1957 1958 1959	Aircraft	411	337		122	139	216		395	189	202	121	91	158	246	80
1946 1949 1960 1951 1952 1953 1954 1965 1956 1957 1958 1959 1960 1961 571 574 260 329 391 500 354 846 395 575 490 470 416 502 884 811 426 383 516 719 392 1,004 456 741 753 434 398 559 155 122 92 45 65 102 36 120 46 120 108 59 50 285 242 155 115 103 146 81 188 66 187 178 56 59 112 74 61 43 21 16 33 9 52 26 37 20 9 23 12 74 75 7 7 1 13 5 18 3 1 3 5 3 75 7 6 4 1 13 5 18 3 1 3 75 7 7 7 7 7 7 7 75 7 7 7 7 7 7 7 75 7 7 7 7 7 7 75 7 7 7 7 7 7 75 7 7 7 7 7 75 7 7 7 7 7 75 7 7 7 7 75 7 7 7 7 75 7 7 7 7 75 7 7 7 75 7 7 7 75 7 7 7 75 7 7 7 75 7 7 7 75 7 7 7 75 7 7 7 75 7 7 7 75 7 7 75 7 7 75 7 7 75 7 7 75	Rangers	241	168		72	82	122		102	57	141	87	99	63	74	80
1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1961 1962 1951 1952 1953	Public	809	669		400	530	654	356	864	509	753	769	458	431	566	651
1946 1940 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 571 574 260 329 391 500 354 846 395 575 490 470 416 502 8994 811 426 383 516 719 392 1,004 456 741 753 434 398 559 155 122 92 45 65 102 36 120 46 120 108 59 50 80 285 242 155 115 103 146 81 188 66 187 178 56 59 112 74 61 43 21 16 33 9 52 26 37 20 9 23 12 24 16 3 5 3 7 2 16 4 7 4 1 5 7 5																
571 574 260 329 391 500 354 846 395 575 490 470 416 502 894 811 426 383 516 719 392 1,004 456 741 753 434 398 559 155 112 92 45 65 102 36 120 46 120 108 59 59 80 285 242 155 115 103 146 81 188 66 187 178 56 59 112 74 61 43 21 16 33 9 52 26 37 20 9 23 12 24 7 6 4 1 13 5 18 21 4 7 4 1 5 14 9 1 1 2 1 3 5 1 4 7 <td>SIZE</td> <td>1948</td> <td>1949</td> <td>1 1</td> <td>1921</td> <td>1952</td> <td>1953</td> <td>1954</td> <td>1955</td> <td>1956</td> <td>1957</td> <td>1958</td> <td>1959</td> <td>1960</td> <td>1961</td> <td>*1962</td>	SIZE	1948	1949	1 1	1921	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	*1962
894 811 426 383 516 719 392 1,004 456 741 753 434 398 559 155 122 92 45 65 102 36 120 46 120 108 59 50 80 285 242 155 115 103 146 81 188 66 187 178 56 59 112 74 61 43 21 16 33 9 52 26 37 20 9 23 12 24 16 3 5 18 21 4 7 4 1 5 14 9 1 2 3 5 18 3 1 5 14 500 33 37 11 11 39 62 176 222 28 3 308 908	acre	571	574	260	329	391	200	354	846	395	575	490	470	416	502	672
155 122 92 45 65 102 36 120 46 120 108 59 50 80 285 242 155 115 103 146 81 188 66 187 178 56 59 112 74 61 43 21 16 33 9 52 26 37 20 9 23 112 24 16 3 5 3 7 2 16 4 7 4 1 5 18 21 3 5 18 9 1 0.0 2 0.0 2 0.0 2 0.0 2 0.0 2 0.0 19 500 33 37 112 11 39 62 176 222 28 24 5 33 908	-5 acres	894	811	426	383	516	719	392	1,004	456	741	753	434	308	05	67.5
285 242 155 115 103 146 81 188 66 187 178 56 59 102 74 61 43 21 16 33 9 52 26 37 20 9 23 12 24 16 43 7 4 1 5 3 7 4 1 5 1 5 24 7 6 4 1 13 5 18 21 3 5 14 9 1 1 2 1 3 62 17 222 28 24 5 33 908	5-10 acres	155	123	92	45	65	102	36	120	46	120	108	0.00	0 15	080	000
74 61 43 21 16 33 9 52 26 37 20 9 23 12 24 16 3 5 3 7 2 16 4 7 4 1 5 7 5 24 7 6 4 1 13 5 18 21 3 5 5 14 9 1 2 3 8 3 1 19 500 33 37 112 11 39 62 176 222 28 24 5 33 908	10-100 acres	285	242	155	115	103	146	81	188	99	187	178	200	0 00	112	0 00
24 16 3 5 3 7 2 16 4 7 4 1 5 7 5 24 7 6 4 1 13 5 18 21 3 5 5 14 9 1 2 3 8 3 1 19 500 33 37 112 11 39 62 176 222 28 24 5 33 908	100-500 acres	74	61	43	21	16	3	0	50	36	3.7	30	0	22	2	1 6
5 24 7 5 4 1 13 5 18 21 3 5 5 14 9 1 2 2 8 3 1 5 14 500 33 37 112 11 39 62 176 222 28 24 5 33 908	500-1,000 acres.	24	16	60	ĸ	60	^	63	91	4	, ,	3	\ r=) M	4 6	14
500 33 37 112 11 39 62 176 222 28 24 5 33 908	1,000-10,000 acres	24	2	9	N.	prod	end end	ю	80	27		en:	4 6	o un	14	۰. د
500 33 37 112 11 39 62 176 222 28 24 5 33 908	Over 10,000 acres	0	hed	8 0	60	0 0	0 0	60	00	19	~	0	0 0	0	19	1 :
	AVERAGE SIZE (Acres)	200	65 63	33	C 100	11	39	62	176	222	38	34	ıo	33	806	0

* Preliminary Report

FOREST PROTECTION PERMITS

		WORK P	ERMITS	TRAVEL	PERMITS
Year	Fire Permits	Permits	Men	Permits	Persons
1926	13,466				******
1927	13,593			6,548	15,669
1928	13,611		• • • • •	15,406	42,566
1929	14,038	****	• • • • • •	20,738	51,443
1930	15,094	****	•••••	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	• • • • •	• • • • • •	9,774	28,606
1936	18,964			8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,19
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,70
1954	12,315	3,496	67,346	113,971	408,01
1955	14,803	3,668	76,703	211,724	717,54
1956	14,142	3,930	62,469	181,396	608,13
1957	12,778	3,095	55,227	118,690	427,83
1958	15,842	2,922	44,362	121,373	412,46
1959	17,889	3,705	44,942	112,916	390,51
1960	18,616	4,024	45,837	94,634	332,47
1961	20,956	4,631	47,916	108,108	393,51

MAJOR EQUIPMENT March 31st

8.838 896 976 1,029 1,029 1,029 1,029 1,029 1,029 1,215 1,215 1,396 1,371 1,125 1,396 1,371 1,125 1,396 1,371 1,125 1,136 1,371 1,125 1,1 1,344 8,137 3,144		1949	1950	1921	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
1,611 1,567 1,698 1,841 2,030 1,997 2,376 2,469 2,438 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,483 2,505 29,505 29,505 29,502 30,540 31,946 31,846 31,846 31,846 31,846 31,846 31,846 31,846	Ortable Power Pumps ortable Hand Pumps. lose (000's Feet)							1,218 7,907 3,319	1		1,396	1,271	1,225	1,201
369 382 445 556 575 573 642 609 615 647 659 661 1,051 1,084 1,142 1,061 1,114 1,087 1,073 1,052 1,005 53 661 476 501 552 638 639 418 434 459 493 519 534 538 100 571 572 771 771 800 785 809 807 11 11 11 11 11 11 11 45 498 534 538 809 807 <td>• • • •</td> <td>1,611</td> <td></td> <td>7</td> <td>~</td> <td>2</td> <td>1,997 1,365 32,668</td> <td>2,376 1,506 31,582</td> <td>2,469 1,538 29,288</td> <td>2,438 1,597 29,505</td> <td>2,483 1,671 29,024</td> <td>2,391 1,739 30,540</td> <td>2,433 1,750 31,946</td> <td>2,618 1,780 33,756</td>	• • • •	1,611		7	~	2	1,997 1,365 32,668	2,376 1,506 31,582	2,469 1,538 29,288	2,438 1,597 29,505	2,483 1,671 29,024	2,391 1,739 30,540	2,433 1,750 31,946	2,618 1,780 33,756
1,051 1,084 1,142 1,061 1,114 1,087 1,073 1,052 1,005 594 930 476 50 57 63 64 690 73 77 800 78 809 807 93 50 53 63 64 55 74 60 78 809 807 807 10 50 53 63 64 55 74 60 78 809 807 808 808 807 1,140 1,294 1,564	inoculars	369					573	642	609	615	647	629	661	899
318 400 491 666 730 715 786 751 861 918 905 945 50 73 93 107 141 166 205 249 263 277 46 44 44 50 49 45 47 46 44 42 41 35 7 8 10 14 10 13 14 310 347 397 613 686 801 825 899 1,047 1,140 1,294 1,564 1,8 227 231 279 280 288 292 302 308 315 318 33	anoes	1,051	1,003 231 501 57		1,142 373 648 63			1,087 434 771 64	1,073 459 771 60	1,052 493 800 59	1,005 519 785 48		930 538 807 42	8348 334
318 400 491 666 730 715 786 751 861 918 905 945 777 3 7 7 8 7 107 141 156 205 249 263 277 2 7 7 7 8 10 14 10 1,294 1,504	arges and Scows	:	:	:	•	:	:	•	4	9	7		. ^	9
44 44 50 49 45 47 46 44 44 42 41 ************************************	 rucks and Autos railers	318	400	491	666	730	715 107 101	786 141 121	751 166 134	861 205 312	918 249 186	905 263 184	945 277 194	949 282 198
310 347 397 613 686 801 825 899 1,047 1,140 1,294 1,564 1,8 227 231 271 279 279 280 288 292 302 308 315 318 3	ailway Motor Cars	35	4 .	4	50	49	45	47	24	24	224	20	18	142
310 347 397 613 686 801 825 899 1,047 1,140 1,294 1,564 227 231 271 279 279 280 288 292 302 308 315 318	nowmobiles	•	:	:	•		7	00	10	14	10	13	14	16
227 231 271 279 279 280 288 292 302 308 315 318	adio Sets, Stations	310	347	397	613	989	801	825	899	1,047	1,140	1,294	1,564	1,846
	teel Towers	227	231	271	279	279	280	288	292	302	308	315	318	323

REPORT OF MAJOR EQUIPMENT as of March 31, 1962.

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+>		::::::	:::	16
Mtr. Cars	· · · · · · · · · · · · · · · · · · ·	::::::	:::	42
act-	11 22 20 20 20 20 20 20 20 20 20 20 20 20	·m · · · · · · · · · · · · · · · · · ·	W144	198
ail- ers	200 200 200 200 200 200 200 200 200 200	:::::	L :0	282
Vehi-	40004404004400440040404040404040404040	□ ::::: ₄	111 53	646
Brd. Mtrs.	HU4#44HEWHWUR444444 NRWP4PWWW4RWRAPPOWWW44WWH	٠:::::	244	834
ot In- tr. brd.	יייי יייי יייי ייייי ייייי ייייי ייייי יייי	::::::	•	31
Not Mtr.		Ħ::::::	3114	568
Ca- noes	410118141704578698869	H::::::	31	922
ocu-	0400100000440000104400	: : : : : : : : : : : : : : : : : : :	50	899
ing Bags	1220 1220 1220 1220 1220 1220 1220 1220	bm	118 282	1,780
Tents	110 200 200 200 200 200 200 200 200 200	12. 4. 65	163	2,618
Blank- ets	0.000000000000000000000000000000000000	643 741 821 900 	835 17 98	33,756
Fire	0.000 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	160 100 180 57	36	3,483 3
Fumps wer Hand	UU44UU44UU4UU4U44U4U4 0000U400U80U50E40UH4U4UH 0000U80UH0040D10084U108	200 200 476 476	39	7,977
Power	1100474144468844488884448888444444488888844444488888	. 23. 12. 126	11 15	1,201
	DISTRICTS Challeau Challeau Challeau Fort Frances Fort Frances Fort Frances Fort Frances Fort Frances Repress Repress	REGIONS Central South-Central MG-Western South-Eastern Northern South-Western	VINEKS Ranger School Air Service Head Office (incl. Research)	1 -
E				

AIR SERVICE SUMMARY, Hours Flown in years ending March 31st

				1	
Effective Load (tons)	3,432	3,367 3,164 3,079 3,918	3,429 6,091 3,481 3,481 4,871	4,198	83,571
Per- sonnel Carried	89,206	5,140 5,346 7,245	5,465 6,723 5,099 5,349	5,223	161,078
Passengers Carried	165,583	27,140 30,439 25,900 31,109	29,256 46,478 28,789 28,636 27,506	27,600 29,069 32,749	560,941
Total Flying Hours	175,290	11,057 12,800 11,889 13,564	12,389 17,785 11,692 12,506 12,278	11,984	343,819
rcy ghts No.	::	• • • EQ	28 22 28 21	221	:
Mercy Flights Hrs. No.	361	168 56 53	8 5 8 4 8 8 8 5 4 4 8	33 33	1,055
Inter- depart- mental	279	233 188 150 574	398 458 384 327 421		4,726
Photo	1,415	273 280 187	244 130 148 24	0 0 0 0 0 2 4 0 0	2,701
Sur-	::	97	181 128 72 23 15	14:	654
Re- search	1,442	303 360 266 386	284 192 199 212 189		4,431
Parks	* *		224000	2555	1,449
Lands	110	283 153 149 376	246 181 180 190 200	209	2,804 1,449
F&W Mngt.	2,985	2,029 2,086 1,980 1,972	2,333	3,455	36,785
Timber Mngt.	604	938 903 674 982	1,048 835 986 801 876	883 965 799	11,295
Fire	88,732	4,211 5,498 5,278 6,302	5,095 11,396 5,347 5,652 4,275	4,053	164,808
Year	1924- 1949 1950	1951 1952 1953 1954	1955 1956 1957 1958 1959	1	TOTAL

PILOTS' FLYING TIME

SURNAME	Initials	1924-61	1961-62	Total
Allen	DW	2.434:15	330.10	2,764:25
Ballantyne	DE	1,543:40	378:15	1,921:55
Beaushene	GD	3,044:35	402:20	3,446:55
Bieck	AH	1,113:30	481:40	1,595:10
Burtt	AE	7,691:40	515:45	8,207:25
Calver	DR	2,894:45	362:40	3,257:25
Campbell	GE	4,334:15	453:20	4,787:35
Colfer	AP	5,875:55	820:55	6,696:50
Cooke	TC	6,329:05	753:25	7,082:30
Cram	MM	912:25	317:15	1,229:40
Croft	BR	1,118:25	382:15	1,500:40
Croal	DM	1,002:45	631:25	1,634:10
Denley	JG	7,165:25	401:30	7,566:55
Evans	FB	4,082:25	376:30	4,458:55
Fiskar	UW	3,485:40	385:30	3,871:10
Glennie	NA	2,170:10	454:35	2,624:45
Hoar	HA	2,795:20	250:15	3,045:35
Hoeberg	PS	2.825:25	293:50	3,119:15
Hugill	WA	2,195:05	309:20	2,504:25
Kincaid	J	7,082:10	574:35	7,656:45
Kirk	CJ	4,454:45	347:50	4,802:35
Lamont	JA	3,404:00	275:40	3,679:40
LeFeuvre	CJ	8,658:30	379:20	9,037:50
Love	MS		165:20	165:20
Lowe	В	1,279:25	315:30	1,594:55
MacDougall	FA	5,071:45	119:20	5,191:05
North	DH	893:00	357:20	1,250:20
Parsons	R	7,206:20	343:20	7,549:40
Poulin	LD	7,764:50	217:00	7,981:50
Reid	DM	4,184:15	406:45	4,591:00
Siegel	J	4,817:20	444:55	5,262:15
Speight	HC	7,202:55	655:25	7,858:20
Smith	AB	7,050:55	9:10	7,060:0
Thomas	E	3,357:10	191:35	3,548:4
Thompson	FJ	2,398:55	296:15	2,695:10
Trussler	GE	7,261:45	364:05	7,625:50
Turcotte	LG	960:45	342:05	1,302:50
Taylor	JM	3,462:00	92:20	3,554:20
Pike	SJ		287:00	287:0
Other Pilots		179,807:50		179,807:50
Total Hours		329,333:20	14,485:45	343,819:0

AIRCRAFT SERVICE RECORD

45 AIRCRAFT	Year Purchased	Effective Load(tons)	FLYIN 1961-62	G HOURS 1924-62
		1960-61		
35 BEAVER				
CF-OBS	1948	156	547:45	5,239:55
CF-OBW CF-OBX	1948	• • •	140	3,527:20
CF-OBY	1948 1948	29	340 04.25	4,086:10
CF-0BZ	1948	109	96:25 234:25	3,733:10 4,319:45
CF-0CA	1948	152	371:45	4,006:25
CF-0CB	1948	356	503:55	4,753:35
CF-OCC CF-OCD	1948	119	338:35	4,079:15
CF-0CE	1948 1949	50 97	222:05	3,690:10
CF-OCG	1949	69	273:05 267:00	4,576:50 3,628:00
CF-OCH	1949	140	450:05	4,112:30
CF-0CJ	1949	65	205:50	3,427:20
CF-OCK	1949	101	287:25	4,006:25
CF-OCL CF-OCN	1949 1949	95	246:10	3,830:40
CF-0C0	1949	147 201	373:05 290:05	4,406:50
CF-OCP	1949	223	714:45	4,156:30 4,738:50
CF-0CQ	1949	17	441:40	4,637:55
CF-OCS	1949	111	112:55	4,124:00
CF-OCT CF-OCU	1949	141	473:55	4,283:40
CF-OCV	1950 1950	155 161	375:50	4,009:40
CF-OCX	1950	172	545:30 386:05	3,391:35 3,601:55
CF-OCY	1950	92	375:35	3,413:50
CF-OCZ	1950	27	311:45	2,675,20
CF-ODA	1951	86	386:30	3,317:00
CF-ODB CF-ODC	1951 1951	46	291:35	3,839:40
CF-ODD	1951	48 57	440:25 208:35	4,724:55 1,046:50
CF-ODE	1951	57	427:25	2,975:35
CF-ODF	1952	157	185:35	3,375:20
CF-ODG	1952	12	525:55	3,804:45
CF-ODO CF-ODS	1955	66	123:35	728:50
	1956		232:40	556:15
9 OTTER				
CF-ODJ	1953	530	481:20	2,602:20
CF-ODK	1953	478	258:00	2,407:30
CF-ODL CF-ODP	1953	886	298:05	2,490:50
CF-ODQ	1956 1956	343 186	349:10	1,566:25
CF-ODU	1960	646	305:20 294:00	1,902:25 517:45
CF-ODV	1961	993	610:30	610:30
CF-ODW	1961	108	157:05	157:05
CF-ODT	1957	316	104:30	1,919:50
VIDGEON				
CF-ODR	1956	21	258:30	1,341:10
11 Other A	ircraft			198,534:25
TOTAL		8,121	14,485:45	342,878:00

AIR SERVICE BASE OPENING DATES (or First Float Flying)

943	May May May	day day day	May Way	May May May
15	8 5 1 2	118	1222	17 1 18 19 19
	g gg:	== .	:= =	=== :
942	April May April April	April April May July May	April May May April	April April April May
-	27 52 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	48129	2404	2000
	= :	=		= :
941	April May May May	May April May May May	May way	May April May May
-	10 10 22	30 13 12 12	110117	30
1940	May May May	fay fay fay fay	fay fay fay fay	fay fay fay •
19,	2 W W W W W W W W W W W W W W W W W W W	98258 98258	40 80 6 EMMMM	MMMM.
		4444	4 44	- d.
6861	May May May	fay fay fay fay	May May May May Apri	May May • Aay
13	12 M	20004 MENER	22332 22332 223333	EXXX.
			-	H
938	May May May	May May May	May May May Apri	May May May
18	0441 MXXX	4004 ·	8499 100 M M M M	30 8
				., .,
937	Hay Hay Hay Hay	May May May	27 May 27 April 14 May	May way
19	23 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	10757	77.4	84 .8
1936	May May May	19 May 18 May 24 May 24 May	May May Jun	18 May 8 May 1 June
	44466	2222:	28 May 15 May 1 June 1 April	88 : 1 :
1935	Hay Hay Hay	May May May	May May May	May May
19	124 134 17 17 17	115 M 20 M 23 M	73. 3	2
		********	_	
934	Hay Hay Hay	May May	12 May 25 May 24 April	May May May
19	125 N	20110	22.24	196
933	April May May May	July May May June	6 May	May May May
1 21	15 7	2001	6 May 21 April	3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Ignace	Pickle Lake Port Arthur Red Lake Remi Lake	• • • • •
50	Algonquin Park Caribou Lake Biscotasing Fort Frances		Ma	Sioux Lookout Sudbury Femagami. Twin Lakes
BASE	lin La sin sin	a Be	Lak thu	ook ni sh
Щ	bour bour cota	Lak Lak	Lak Lak	ux I oury again
	Alg Cari Bisc Fort	Kenc Oba Orie	Pick Port Red Saul	Sion Sudi Tem

TORONTO: Year Round.

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

Algonquin Park. 3 May 26 April 30 April 8 May 19 April 1 7 May 20 April 24 April 24 April 29 April 26 April 20	BASE	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
19 May 12 May 23 May 3 June 19 May 10 May 15 May 16 May 17 May 16 May 17 May 16 May 17 May 17 May 17 May 17 May 18 May 1	Algonquin Park	3 May	26 April		8 May					24 40000		
19 May 12 May 23 May 3 June 19 May 1 May 1 May 2 May 1 May 1 May 2 May 1 May 1 May 1 May 2 May 1 May 2 May 1 May 3 May 1 May 2 May 1 May 3 May 1 May 2 May 1 May 3 May 1 May 4 May 1 May 4 May 1 May 4 May 1 May 2 May 1 May 5 May 1 May 5 May 1 May 7 May 1 May 1 May 2 May 1 May 2 May 1 May 2 May 1 May 3 May 1 May 4 May 1 May 2 May 1 May 5 May 1 May 6 May 1 May 7 May 1	Carey Lake							٠,	777dv /*	Trady 45	-	29 April
15 May 26 April 27 April 17 May 18 May 10 May 10 May 20 May 30 April 8 May 14 May 18 May 10 May 10 May 18 May 10 May 18 May 10 May 18 May 10 May 18 May 10 Ma	Caribou Lake	19 May	12 May	23 May	3 June	19 May	9 May		21 Mav	7 May		18 May
15 May 26 April 12 April 17 May 28 April 1 7 May 20 May 10 May 30 April 19 April	Die got out					8 May	10 May	_	30 April	N May		Z/ May
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15 May 27 April 7 May 20 May 1 May 20 May 10 May 1	Eva Lake			27 Aprel 7		2	1					
14 Nay	Fort Frances	15 May	27 April 1	TIJON /		o May	7	20				_
19 May 1 May 14 May 14 May 10 May	Geraldton	14 May	41 100 14	/ may		II May	30	24				-
19 May 1 May 1 May 20 May 27 April 30 April 8 May 24 April 23 April 29 April 20 April 20 May 10 May 20 May 20 May 30 May 20 May 12 May 13 May 10 May 20 May 30 April 14 May 8 May 30 May 18 May 20 May 10 May 20 May	Gogama	C	•	•		14 May	4	20			7 May	_
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Shay	Orient Baveses	23 May	23 May					8 May	8 May			
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16 May 2 May 36 April 16 May 3 May 10 May 18 May 7 May 10 May 11	Pays Plat	5 May	9 May			_			Il April			
16 May 2 May 3 April 16 May 3 May 3 April 19 May 2 May 2 April 13 May 2 May 1	Pickle Lake								8 May			
19 Nay 10 Nay 7 Nay 26 Nay 13 Nay 30 Navil 15 Nay 2 Nay 2 Nay 2 Nay 3 Nay 3 Nay 15 Nay 3 N	Port Arthur	16 May	2 Mav			-			17 May			
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8 May 1 May 13 April 14 May 3 May 19 May 30 April 1 May 7 May 20 May 18 8 May 19 May 13 April 14 May 27 April 25 April 12 April 25 April 25 April 25 April 25 April 25 April 26 April 26 April 27 April 27 April 27 May 18 May 12 May 18	Sloux Lookout	15 May	10 May			12 May	1 May			oprii	o JEW /7	
8 May 1 May 13 April 14 May 27 April 12 April 12 April 25 April 26 April 26 April 20 April 20 April 27 April 26 April 27 May 27 April 20 April 15 May 1 May 1 May 28 April 4 May 18 May 10 May 18 May 10 May 18 May	South Porcupine.					1 May	3 May			o Hay	/ May	
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18 May 12 May 22 May 8 June 14 May 12 May 30 May 1 May 18 May 13 May 22 May 8 June 14 May 12 May 30 May 1 May 16 May 13 May 22 May 8 June 14 May 12 May 30 May 1 May 18 Ma	Temacami											
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OI ARM II O	White River								1 May		_	
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AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

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May May June May May	May May May May	May May May June	May May June April May	May May May May	May
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	April April April April		April May May April	April April April April April	26 April 6 May
30 30 22 28	222 222 282 282 28	27 19 28 1	18 22 28 28	29 27 27 19	26
gonquin Parkrry Lakeapleauapleaua	rt Frances gama nace	uzon Lake m Lake a Lake	rry Sound ys Plat ckle Lake rt Arthur	mi Lake ult Ste. Marie oux Lookout uth Porcupine.	Temagami Tweed
	1 11 May 25 April 23 April 5 May 2 May 4 May 3 1 27 May 7 May 9 May 12 May 23 May 10 May 13 1 1 June 13 May 15 May 15 May 22 May 24 May 25 1 14 May 3 May 24 April 4 May 11 May 4 April 7 May 11 May 6 May (Moved to Nym Lake)	21 April 11 May 25 April 23 April 5 May 2 May 1 May 2 May 1 May 2 May 1	21 April 11 May 25 April 23 April 5 May 2 May 13 30 April 27 May 13 May 15 May 15 May 2 May 13 May 19 May 15 May 2 May 14 May 13 May 19 May 15 May 22 May 14 May 13 May 15 May 15 May 22 May 24 May 13 2 April 16 May 6 May (Moved to Nym Lake)	21 April 11 May 25 April 23 April 5 May 2 May 4 May 13	21 April 11 May 25 April 23 April 15 May 2 May 14 May 13 May 15 May 15 May 15 May 24 May 13 May 15 May 15 May 22 May 24 May 13 May 15 May 15 May 15 May 22 May 24 May 13 May 28 April 14 May 6 May 15 May 11 May 12 April 15 May 18 May 11 May 18 May 11 May 18 May 11 May 19 May 18 May 11 May 19 May 1

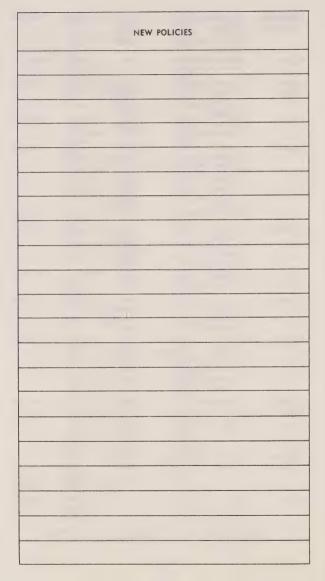
DEPARTMENT RADIO STATIONS

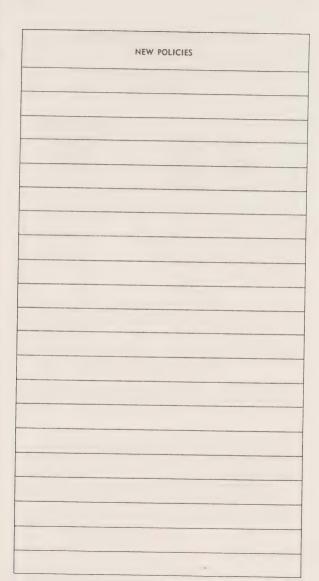
				PERATING JENCIES
		CALL	H.F.	V.H.F.
DISTRICT	STATION	SIGN	Kc/s	Mc/s
FORT	Fort Frances	XLN21	4460	46.62
FRANCES	Lac La Croix	XLN22	*	*
	Atikokan	XLQ71		
	Rainy River	XLR59		
	French Lake	XMN23	_	
	Nym Lake Cache Bay	XLN234		
	Prairie Portage	XLN233		- :
	Cabin 16	XLN232 XLN29		
	Beaverhouse Lake	ALMZY	_	-
	Cabin	XLN275		
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	19	**
	Sioux Narrows	XLN42	*	*
	Dryden	XLN35	39	
	Nestor Falls	XLN24		
	Vermillion Bay	XLS87		*
	Dyment	XL096		*
SIOUX	Sioux Lookout	XLN37	4460	46.86
LOOKOUT	Red Lake	XLN43		*
	Pickle Lake	XLN38	:	
	Armstrong	XLN40	:	
	Ear Falls	XMN50		
	Winisk Ignace	XLR62 XLN23		н
PORT	Port Arthur	XLN45	4580	46.70
ARTHUR	Shebandowan	XLN47	. #	40.70
	Black Sturgeon Lake	XLN48	w	
	Upsala	XLN217	w	
	Saganaga Lake	XLN2 18		
	Dorion	XMN78		
GERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	91	10
	Marathon	XLN54	a a	
	Killala Lake	XLN55	16	
	Hillsport	XIQ46	*	
	Nakina	XLS53	:	*
	Longlac Macdiarmid	XLS52 XLN49	:	
	Macaiaimia	ALI149	-	-
WHITE	White River	XLQ78	4880	46.62
RIVER	Franz	XLN62	*	
	Wawa	XLN63	*	
	Mobert Manitouwadge Lake	XLN61 XMN25		
		Carma		
AULT	Sault Ste. Marie	XLN58	4880	46.78
STE. MARIE	Blind River	XLN65	:	
	Ranger Lake	XLN261		
	Elliot Lake	XLN264		
	Peshu Lake Sand Lake	XLQ41		
	Pancake Bay	XLQ77		
	Kirkwood	XLR39 XLP44	-	
	***************************************	ALT44		-
	Mount Lake	XLR69		

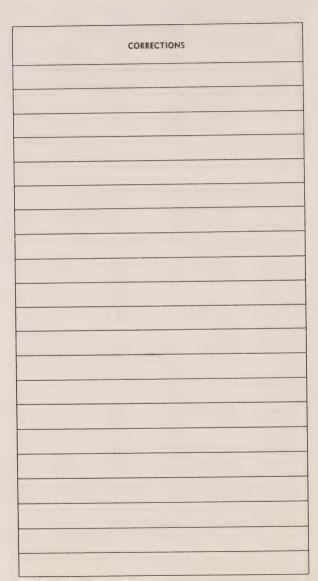
GOGAMA	Gogama	XLN78	4880	46.82
GOGAPA	Elsas	XLN79	11	10.02
	Foleyet	XLN84		
	Oniobine Islan	XMN42		11
	Opishing Lake			
	Ronda	XLP69		_
ALL DE DA EL	C1 1	VINOS	4880	46 70
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanable	XLR52	H	
	Sultan	XLQ73		-
	Biscotasing	XLN80		
	Unegam Lake	XLN205		
	Racine Lake	XMN77		
	Wrong Lake	XLP46		
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead	XL080	18	
	Espanola	XLQ44		W
	Jamot	XLR30	28	
	Massey	XLR29		
	Windy Lake	XLk67	H	н
	Southbaymouth	XLS86		
	Sandfield	XLR68		n
	Stinson	XLN239		10
	Fairbank Lake	XLN39		19
		XLS85		**
	Killarney			
	Little Current	XMN24		
W. D. D.	W t t	V1 D40	4525	4/ 0/
KAPUS -	Kapuskasing	XLP78	4535	46.86
KASING	Hearst	XLN69		11
	Hornepayne	XLN73		
	0ba	XLN74	*	_
	Nagogamisis Lake	XLN237		*
	Little Long Rapids	XLN240		*
	Rogers Township	XLR71		w
COCHRANE	Cochrane	XLQ37	4535	46.78
	Timmins	XLN70		
	Eades	XLN71	10	10
	107 1 7 1	VIOAE	19	89
	wade Lake	ALU40		
	Wade Lake Moosonee	XLQ45 XMN43	19	H
	Moosonee	XMN43	19	11
	Moosonee Smooth Rock Falls	XMN43 XLQ76	11	
	Moosonee Smooth Rock Falls Nellie Lake	XMN43 XL076 XLN208	11	11
	Moosonee Smooth Rock Falls	XMN43 XLQ76	n	*
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake	XMN43 XL076 XLN208 XLN209		H H H
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika	XMN43 XLQ76 XLN208 XLN209 XLN68	4535	*
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake	XMN43 XL076 XLN208 XLN209 XLN68 XLN72		H H H
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson	XMN43 XLQ76 XLN208 XLN209 XLN68 XLN72 XLS54		46,62
SWASTIKA	Moosomee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95		46,62
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN95 XLN60		46,62
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090		46,62
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake	XMN 43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090 XL089		46,62
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090 XL089 XL089 XLR64		46,62
SWASTIKA	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake	XMN 43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090 XL089		46.62
	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090 XL089 XL084 XLN212	4535	46.62
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay	XM143 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN960 XL089 XL089 XL089 XL089 XL081 XLN212 XLN83		46.62
	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami	XM143 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090 XL089 XL089 XLR64 XLN212 XLN81	4535	46,78
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake	XMÑ43 XL076 XLN208 XLN209 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL089 XL089 XL089 XLN212 XLN212 XLN81 XLN81 XLN81 XLN81 XLN81 XLN81 XLN81	4535	46.62
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Twp. North Bay Temagami Lady Evelyn Lake Latchford	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090 XL089 XL089 XL089 XL081 XLN212 XLN81 XLN81 XLN81 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN82 XLN83 XLN82 XLN83 XLN82 XLN84 XLN82 XLN84 XLN82 XLN84 XLN82 XLN84 X XLN84 X XLN84 X XLN84 X XLN84 X X X X X X X X X X X X X X X X X X X	4535	46,78
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake	XMÑ43 XL076 XLN208 XLN209 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL089 XL089 XL089 XLR64 XLN212 XLN81 XLN81 XLN81 XLN81 XLN82 XLN252 XLN252 XLN252 XLN252 XLN242 XLN252 XLN254	4535	46,78
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN60 XL090 XL089 XL184 XLN212 XLN83 XLN81 XLN81 XLN81 XLN246 XLN246 XLN246 XLN251	4535	46,78
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo	XMÑ43 XL076 XLN208 XLN209 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL099 XL089 XL089 XLR64 XLN212 XLN83 XLN81 XLN81 XLN42 XLN252 XLN252 XLN252 XLN252 XLN254 XLN251 XLN252 XLN254	4535	46,78
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Lake	XMN43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL090 XL089 XL084 XLN212 XLN81 XLN81 XLN81 XLN81 XLN252 XLN246 XLN246 XLN246 XLN253 XLN246 XLN253 XLN246	4535	46,78
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Lake Field	XMÑ43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL099 XL089 XLR64 XLN212 XLN83 XLN81 XLN81 XLN42 XLN252 XLN254 XL	4535	46,62
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Lake	XMÑ43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL089 XL089 XLR64 XLN212 XLN83 XLN81 XLN81 XLN81 XLN82 XLN252 XLN252 XLN252 XLN252 XLN252 XLN252 XLN253 XLN253 XLN253 XLN277 XLN270	4535	46.62
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Lake Field	XMÑ43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL099 XL089 XLR64 XLN212 XLN83 XLN81 XLN81 XLN42 XLN252 XLN254 XL	4535	46,62
NORTH BAY	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Lake Field Samuel de Champlain Marten River	XMÑ43 XL076 XLN208 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL089 XL089 XLN81 XLN212 XLN83 XLN81 XLN81 XLN252 XLN252 XLN252 XLN252 XLN253 XLN252 XLN253 XLN257 XLN257 XLN274	4535 4520	46,62
NORTH	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Tield Samuel de Champlain Marten River	XMÑ43 XL076 XLN208 XLN209 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL099 XL089 XL089 XLN83 XLN81 XLN81 XLN81 XLN82 XLN22 XLN252 XLN252 XLN254 XLN253 XLN253 XLN254 XLN253 XLN253 XLN274 XLN274 XLN274 XLN274	4535	46.62
NORTH BAY	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Lake Field Samuel de Champlain Marten River	XMÑ43 XL076 XLN208 XLN209 XLN209 XLN68 XLN72 XLN554 XLN95 XLN60 XL089 XL089 XLR64 XLN212 XLN81 XLN81 XLN81 XLN82 XLN252 XLN252 XLN252 XLN252 XLN252 XLN252 XLN253 XLN252 XLN253 XLN253 XLN253 XLN254 X	4535 4520 45.75	46,62
NORTH BAY	Moosonee Smooth Rock Falls Nellie Lake Kettles Park Lake Swastika Elk Lake Matheson Larder Lake Matachewan Gowganda Hills Lake Englehart Burt Twp. Nursery North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Tield Samuel de Champlain Marten River	XMÑ43 XL076 XLN208 XLN209 XLN209 XLN68 XLN72 XLS54 XLN95 XLN60 XL099 XL089 XL089 XLN83 XLN81 XLN81 XLN81 XLN82 XLN22 XLN252 XLN252 XLN254 XLN253 XLN253 XLN254 XLN253 XLN253 XLN274 XLN274 XLN274 XLN274	4535 4520	46,62

PEMBROKE	Stonecliffe	XLN94	47.75	46.86
(Cont'd)	Whitney	XLQ43	99	19
	Achray	XLQ47	9	
	Round Lake	XLR40	n	99
	Kiosk		99	
	Sasajewun Lake		8	
	Swan Lake		46	
	O'THE DAME			
PARRY	Parry Sound	XLN89	4520	46.62
SOUND	Loring	XLN93	4320	40.02
500115	Powassan	XMN35		10
		XLS24		B
	Byng Inlet Ardbeg			17
		XMN33		
	Dorset	XMN34		,,
	Bracebridge	XMN75		**
MINISTER IN		*** * * * *		
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50	*	19
	Palmer Rapids	XLR41		**
	Dacre	XLS23	89	
	Plevna	XLN53	п	
	Gilmour	XMN40		H
	White Lake	XLP75		99
	Napanee	XLQ31		98
	Green Lake	XLR61	20	10
	010011 11110	JEAN O A		
LINDSAY	Lindsay	XLR57	4775	46.78
Mar. 20111	Minden	XLQ70	W	40070
	Gooderham	XMN27		
	Orono	XMN29		
	Haliburton	XLR43		
		XLN46		10
	Presqu'ille Park			
	Apsley	XMN44		**
	Ranger School	XLN25	**	
KEMPTVILLE	Kemptville	XMN4 1	4775	46.62
	La Rose	XMN51		19
	Westport			10
	Fitzroy Park	XLN272		89
LAKE ERIË	Aylmer	XL052	4775	
W1110 101(20)	Holiday Beach Park	XLN267	#	
	Wheatley	XLN268		
	St. Williams	XMN28		
	Rondeau Park	XLR60	10	
	Pinery Park	XLP90	-	
LAKE	Caldmana	NAME OF TAXABLE PARTY.		44 05
	Coldwater	XMN36		46.82
SIMCOE	Severn Falls	XMN37		
	Honey Harbour	XMN39		18
	Six Mile Lake	XLR85		19
	Angus	XLN269		*
HEAD	Island Airport	XL053	4775	
OFFICE*	Maple Laboratory	XLN20		
Toronto	Maple	XLP22	4520	46.62
			4535	46.70
			4775	46.74
			4880	46.78
			54 10	46.82
			5499	46.86
			9160	70000
			/ 200	

^{*} Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.







LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland Northern District of North America 1764-1801 Surveyor-General Sir D. W. Smith Surveyor-General 1801-1805 C. B. Wyatt 1806 -Surveyor-General Thomas Ridout 1807-1829 Surveyor-General Hon. S. P. Hurd 1832-1835 Surveyor-General J. Macaulay 1836-1838 Surveyor-General Hon, R.B. Sullivan 1838-1840 Surveyor-General Thos. Parke 1841-1845 Surveyor-General G. B. Kirkpatrick 1880-1917 Director of Surveys L. V. Rorke..... 1918-1928 Director of Surveys L. V. Rorke..... 1928-1936 Deputy Minister/ Surveyor-General ‡ C.H. Fullerton.... 1936-1946 Surveyor-General 1946-1962 F. W. Beatty Surveyor-General Robert G. Code..... 1962-Surveyor-General

- * Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.
- Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.
- Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning and Engineering Sections were added in 1962.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

LANDS SECTION

Supervisor: J. W. Giles

Disposition of public land and land under water for many private, commercial, industrial and municipal uses.

Authorization of assignments; extensions of time; issuance of patent; quit claim deeds; vesting orders; reservation of lands for various uses.

SURVEYS SECTION

Supervisor: W. F. Weaver

Surveys of provincial boundaries, base and meridian lines, Crown lands and lands acquired for Department. Retracement surveys.

Map compilation. Accounts payable and equipment.

Distribution of maps, survey records and publications.

LAND USE PLANNING SECTION

Supervisor: E.L. Ward

Preparation of land use plan for public lands.
Wilderness areas.

Advisory committees on recreational land use planning. Public agricultural lands committee.

ENGINEERING SECTION

Inspection of dams. Licence of Occupation for dams, flooding, diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements.

> Plans for buildings and hatcheries. Renovation of plant and equipment.

> > Access roads.

Studies for wildlife management.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square -
		no road allowances -
		Townships divided into 36
		sections.
1872	-	Townships 6 miles square -
		no road allowances -
		6 concessions and 12 lots.
1876	-	Townships - similar
		manner to Dominion Land
		Survey system - 36 sections
		with 1-1/2 chain road
		allowances around each
		section.
1906		1, 800-acre blocks.
1300	_	1, out-acre blocks.

Since the first township was surveyed in 1783, more than 1, 100 townships have been surveyed and divided into lots and concessions. In addition, the boundaries of 1, 300 unsubdivided townships have been surveyed.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 143 township subdivision surveys have been annulled, as of October 31st, 1962, under the provisions of Section 10 (1) of the Public Lands Act; the first annullment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931,

SURVEYS SECTION (Continued)

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., form Island Lake to Hudson Bay was carried out in 1950.

The request for land for recreational use has increased greatly since 1948. To ensure orderly development, the Department adopted the policy of zoning areas for various uses and restricting the disposition of land for recreational purposes to areas accessible by public roads or railroads. Up to twenty percent of the shoreline is reserved for public and future use.

The present policy is to sell land in accordance with registered Plans of subdivision. From February, 1959, to October, 1962, 437 plans of subdivision for summer resort purposes have been registered; they cover 5,500 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284, 906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulations Act, 1916, leases have been granted for development of power plants with a total installed capacity of 4, 500, 490 horsepower. The installed capacity of plants not under lease from the Province (including Niagara plants) is 2, 900, 000 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments.

In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857. The annual report for 1867 states:

"Previous to Confederation, separate accounts were not kept of the Woods and Forests revenue."

Effective March 29th, 1961, the sections of The Public Lands Act dealing with agricultural land disposition were repealed. Under the same Amendment Act, provision was made for the establishment of the Public Agricultural Lands Committee. The committee was established, and local district committees now deal with applications.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

Effective March 5th, 1880, under 43 Victoria, Chap. 4, pine trees were reserved in locations subject to restricted cutting permitted by locatees but, when the patent was issued, all pine trees were reserved to the Crown.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

(The Rainy River Homesteads Act, 1897, reserved all pine trees in the location but passed all pine trees remaining at the date of patent with the patent. This provision is incorporated in The Public Lands Act of 1913).

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Departments of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

DISPOSITION OF LAND BY PATENT - DOCUMENTS

in years ending March 31st (October 31st up to 1934)

				Town,	Owit		
Year	Free Grant	Agri- cultural	Summer Resort	City Townplot	Quit Claims	Misc	Total
1921	500	307	30	30			867
1922	460	328	12	50			850
1923	411	471	18	51			951
1924	357	399	22	73			851
1925	367	329	45	115			856
1926	367	392	24	102			885
1927	251	336	12	110			609
1928	255	252	26	99			632
1929	220	318	15	79			632
1930	245	460	122	74			901
1931	205	437	126	72			840
1932	151	357	129	70			707
1933	88	188	122	70			495
1934	154	173	112	69			528
1935	46	58	44	21			177
1936	162	187	101	68			530
1937	111	104	149	53			433
1938	165	213	165	53			603
1939	130	178	129	122			
1940	151	148	106	106			590 527
1941	154	172	126	86			550
1942	131	137	98	85			552
1943	181	161		50			474
			127				541
1944	218	359	231	76			954
1945	226	315	206	108			929
1946	216	321	277	130			1,049
1947	168	433	496	249			1,491
1948	164	299	446	153			1,062
1949	107	225	756	146			1,421
1950	196	316	1,046	182			1,927
1951	150	256	1,125	143			1,849
1952	165	242	1,294	90			1,948
1953	120	256	1,263	126			1,935
1954	136	256	1,312	99			1,957
1955	87	188	1,479	70			1,987
1956	59	118	1,384	85			1,778
1957	40	126	1,164	7			1,469
1958	13	150	962	69			1,346
1959	36	118	1,220	104			1,540
1960	44	109	1,946	102			2,368
1961	29	108	1,841	94			2,231
1962	25	94	2,234	108	40	158	2,659

DISPOSITION OF LAND BY PATENT - ACREAGE

in years ending March 31st (October 31st up to 1934)

	Free	Agri-	Summe	r City, Town	Quit		
Year	Grant	cultural	Resort	Townplot	Claims	Misc.	Total
1921	60,181	31,391	155	49			91,776
1922	64,813	43,120	70	90			108,093
1923	54,350	56,953	55	45			111,403
1924	52,423	49,471	72	25			101,991
1925	49,228	41,777	101	31			91,137
1926	47,115	47,493	58	35			94,701
1927	33,882	42,326	31	37			76,276
1928	35,903	31,069	55	127			67,154
1929 1930	30,185	41,035 51,059	31	34			71,285
1730	33,493	51,059	400	112			84,814
1931	27,310	49,310	526	135			77,281
1932	19,334	40,276	360	81			60,051
1933 1934	12,053 19,662	22,087 22,749	378 366	612 18			36,439
1935	5,707	7,329	128	10			42,837
			120	10			13,282
1936	21,340	22,999	349	43			44,777
1937	14,658	12,331	423	24			27,523
1938 1939	20,490 17,569	27,266	402	122			48,418
1940	18,206	20,575 17,236	523 522	130 126			40,817
2740	10,200	17,200	344	140			36,279
1941	16,064	20,154	469	20			36,849
1942	14,973	15,798	361	31			33,308
1943 1944	20,387 28,611	18,615 43,846	422 660	18 32			41,430
1945	29,266	36,308	1,526	50			76,920 70,993
		00,000	2,020				70,773
1946	26,068	36,683	781	130			74,158
1947	21,669	52,190	1,765	175			89,072
1948 1949	22,119	32,930	1,154	166			56,369
1950	14,360 24,287	26,435 35,484	1,985 2,616	67 112			55,979 118,960
2700	-1,207	00,404	2,010	112			110,700
1951	19,826	28,105	2,205	94			55,702
1952	21,412	26,474	3,364	38			58,606
1953	29,319	29,319	2,287	69			54,738
1954 1955	29,124	29,124 21,266	2,169 2,438	63 27			55,237
1700	21,200	41,200	2,430	21			40,020
1956	7,502	12,206	1,588	1,613			29,183
1957	5,259	14,883	1,411	830			27,558
1958 1959	1,847	15,472	1,350	323			24,612
1960	4,658 5,910	12,206 11,380	1,588	52 295			21,060 29,970
1700	0,710	11,000	2,011	470			47,770
1961	3,701	11,633	1,933	182			22,388
1962	2,670	10,267	2,415	63	3,409	4,091	22,915

LANDS ACQUIRED BY CROWN (Acres)

In years ending March 31st

(Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased Or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221

SUMMER RESORT LANDS in years ending March 31st.

Year	Sales	Acres	Cancellations	Acres	Assignments	Acres	Patents	Acres	Surveys
1944	344	1,180	011	25	200	15	231	659	330
1946	535	1,411	11	35	14	32	277	7 20	0 0
1948	700	1,841	9 %	90	37	186	496	1,764	388
1949	1,010	2,336	4 i	218	40	107	756	1,153	1 100
	9	7T C 6 7		019	38	95	1,046	2,613	1,435
1951	1,360	2,484	62	112	20	94	1,125	2.294	1,737
1953	1,290	2.278	7.2	148	32	319	1,294	3,363	1,800
1954	1,435	2,133	76	447	3.40	727	1,263	2,287	1,458
1955	1,278	1,871	84	166	28	4 7	1,479	2,438	1,752
1956	1,176	1,614	108	183	12	17	1.384	2.080	1 260
1958	1,344	1.678	61 36	124	17	17	1,164	1,411	1,207
1959	2,155	2,517	27	9 0	19	23	1,220	1,350	2,083
0061	2,418	2,345	33	49	29	25	1,946	2,010	2,000
1961	1,557	1,543	51 57 53 68	27.	25	25	1,840	1,929	2,935

AGRICULTURAL LAND SALES in years ending March 31st

Year	No. of Sales	Acres	No. of Cancellations	Acres	No. of Assignments	Acres	No. of Patents	Acres
944	325	31,934	445	39,615	177	20,124	359	43,84
1945	269	27,158	262	49,651	152	16,002	315	36,307
946	281	26,535	438	42.933	162	17,464	321	36,68
947	303	29,757	338	29,470	222	22,801	433	52,18
948	280	29,506	402	37,069	185	21,667	299	32,92
949	277	28,740	378	35,095	105	12,392	225	26,43
950	267	26,671	327	32,452	113	12,145	316	35,48
951	195	19,228	221	22,134	69	7,673	256	28,10
952	223	24,420	143	13,358	71	7,313	242	26,47
953	186	21,965	221	21,645	70	7,560	256	29,31
954	144	14,534	131	13,049	50	4,484	256	29,12
955	158	15,232	161	17,377	93	4,131	188	21,26
956	117	12,230	184	18,513	26	3,008	148	17,89
957	82	8,683	191	19,038	15	1,461	126	14,88
958	101	10,543	174	17,087	7	807	150	15,47
959	101	10,607	141	13,788	12	1,227	110	11,64
096	89	6,758	59	5,788	10	211	105	10,98
1961	35	3,808	94	9,133	15	1,531	108	11,633
962	10	1,102	600	5.892	4	330	94	10.26

FREE GRANT LAND in years ending March 31st

Year	Locations	Acres	Cancellations	Acres	Assignments	Acres	Patents	Acres
1944	20	2.694	528	64 703	000			
1945	21	2,308	678	83,655	89 116	11,310	218	28,610
1946	49	5.737	272	0 0 0 0				004464
1947	73	8.243	440	V04,10	120	14,214	216	26.068
1948	67	8.649	403	31,700	122	15,523	168	21,668
1949	49	5.872	280	20,370	01	8,415	164	22,119
1950	48	6,192	336	40,732	\$ 0 4 0	7,085	107	14,360
, ,	1				1	200	190	24,287
1951	7 00	3,608	289	35,371	26	7.747	150	00 01
053	36	3,411	159	19,785	37	5,060	165	17,620
054	24	0,000	181	21,874	25	3.452	120	17,411
055		10147	250	30,784	19	2.618	136	10,131
	//	1,823	209	25,755	7	1,005	87	11,713
926	20	2,708	114	127.61			;	
957	00	878	100	100,41	4 1	517	29	7,501
958	9	796	000	77,00	٠,	151	47	6.089
959	4	462	7	00,400		156	48	6.483
096	4	386	4 4 5	4,089	,	160	36	4,658
			0	4,0%/	ı	20	44	5.911
1961	:	•	89	0 700	·	è	4	
362	:	•	51	5,033	4	120	29	3,701
							57	2.670

LAND USE PERMITS in years ending March 31st

Total	16,466	17,207 18,955 22,458 15,846	19,035 16,031 21,201 18,128	30,321 29,669 34,471 36,742 36,625	32,903
Total No.	1,241	1,670 1,888 2,211 2,583 3,270	3,809 4,274 5,559	3,918 3,059 3,146 3,440	3,472
Dept. Houses	68	236 330 377 501 1,262	1,617 1,758 1,671 1,964 2,046	2,543 2,613 2,858 3,121 3,107	3,181
Misc.	88 131	251 95 307 370 265	599 643 563 683	453 537 509 365 416	548
Boat	31	44 80 77 42	79 76 69 102	216 237 252 368 344	255
Sugar Bush	٥:	:5444	»:":°	ທິດສະທິດ	h 4
Mill	105	156 172 197 170	231 239 187 169 180	216 215 184 214 149	188
Marsh Hay	76	95 38 15 57	34 10 10 10	33 33 34 4 5 1 1 2 1 3 3 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22
Agricul- ture	68	138 201 233 129	35 35 35 35 35 35	130 84 79 89 65	46
Residence and Garden	429	398 570 446 386	259 259 224 246	4435 459 514 514 503	328
Trappers	30	31 33 33 18	132 29	200 328 218 279	201
Hunt	157	321 391 543 543	796 866 957 1,064	1,234 1,248 1,352 1,190	1,875
Year	1944	1946 1948 1949	1951 1952 1953 1954	1956 1957 1958 1959 1960	1961

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

			The state of the s		-				
Year	20,20A*	District	Island	Township 28,42A*	Electoral 33A	Misc.	Provincial Total	National* Topographic	Grand
1947	3,650	7,378	009	1.772	141	3 103	16 444	1 0 0	
1948	1,975	7,373	168	506	25	100	11 147	10,533	27,179
1949	4,800	8,169	357	1,004	169	2.030	16, 17,	11,413	22,362
1950	1,896	7,560	1,255	510	152	5,062	16,435	17,013	33.448
1951	2,814	6,730	650	370	61	3.433	14 050	107	
1952	2,096	9,426	932	285	311	3 202	14,036	21,435	35,493
1953	1,990	8,156	791	330	207	4 150	15 624	24,139	40,481
1954	2,734	9,254	593	216	64	1 1 2 2	10,044	30,310	45,934
1955	3,045	12,137	209	459	250	8,766	25,264	48,283	52,487
1956	2,113	10.475	000			,			10,040
1957	2,212	11.687	700	200	839	1,254	16,139	48,604	64,743
1958	1,831	12,592	345	270	257	12,776	27,934	50,013	77,947
1959	2,435	9.071	462	7707	071	1,890	17,275	62,048	79,323
1960	1,285	9.728	345	240	702	10,400	23,075	68,787	91,862
				670	240	8,369	20,876	68,891	89,767
1961	1,333	906'9	219	530	142	7.686	718 71	701 67	0
7967	2,523	10,755	:	584	503	18,500	32,865	78,866	111,731

75

* National Topographic, except those for official use, are for resale. Includes Dominion and Provincial N.T.S. sheets.

Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

- 1. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.
- 2. JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
- 3. WHITE OTTER LAKE -- 41 acres in District of Kenora --Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.
- 5. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.
- 6. ECHO TOWNSHIP -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
- OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.
- 8. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickieana.
- 9. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.
- 10. PORPHYRY ISLAND -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

- 12. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
- 13. CAPE HENRIETTA- MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
- 14. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
- 15. ABITIBI NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
- 16. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
- 17. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
- 18. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
- 19. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
- 20. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
- 21. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
- 22. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
- 23. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

- 24. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
- 25. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
- 27. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
- 28. RONDEAU PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
- 29. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
- 30. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
- 74. PRESQU*ILE ISLANDS -- 322 acres in Presqu*ile Provincial Park, Northumberland County -- An important nesting area for ringbilled gulls and common terns which occur on these islands in thousands.
- 78. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
- 82. PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
- 83. PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
- 84. PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its march borders.

- 85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County --Selected for scientific interest in botany and physiography and for its value for outdoor recreation.
- 86. AGATE ISLAND -- 148 acres in District of Thunder Bay --Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.
- 89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

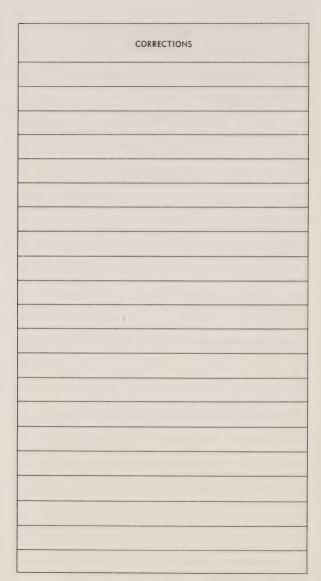
ESTABLISHED IN 1961

88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H. J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. (36th Wilderness Area)

Government Publications

NEW POLICIES	

NEW POLICIES



LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without manicipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

CONSERVATION AUTHORITIES BRANCH

THE CONSERVATION AUTHORITIES ACT deals with the formation of authorities, the composition of the Metropolitan Toronto and Region Conservation Authority, the amalgamation and enlargement of authorities, advisory boards, execution committees, the formulating and approving of schemes to be undertaken, apportionment of costs among participating municipalities, and related matters.

LAW BRANCH

Supervisor: G. H. FERGUSON SOLICITORS: D. A. CROSBIE MISS GLADYS ROY PATENTS OFFICE Head Clerk: E. F. EATON SECRETARY Stenographic Staff

FISH AND WILDLIFE BRANCH

THE GAME AND FISHERIES ACT deals with the management of wildlife resources: game animals; game birds (upland); fur bearing animals; and sale and rearing of game fish. The Act relates to:-open seasons for hunting and trapping; bag limits; Crown game preserves; fish sanctuaries; offences and enforcement; the licensing of hunters, trappers, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmhunter relations.

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT, 1955, is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fisheries Act.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research, etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee, the Surveyor-General, is a member of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26th, 1959, 36 areas have been set apart by regulations.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 and rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the ${\rm Act.}\,\,$ The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is 50 cents per day or \$3.00 for the season. Campsite charges are \$1.00 per day. (The seasonal admission is valid for any provincial park or any park of the Ontario-St. Lawrence Development Commission or the Niagara Parks Commission. This arrangement is approved by the Ontario Parks Integration Board.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the Crown charges are less than \$1,000.00; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

TIMBER BRANCH CONTINUED

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive cutting rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The Board consists of the Chairman of the Niagara Parks Commission, the Chairman of the Ontario-St. Lawrence Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario,

GENERAL CONTINUED

The Minister of Lands and Forests, the Minister of Economics and Development and their successors from time to time, and any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of provincial parks and parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act and the Ontario-St. Lawrence Development Commission Act.

THE PARKS ASSISTANCE ACT provides for financial assistance to municipalities in the establishment of parks to be maintained and operated in such manner as will be complementary to provincial parks. On the recommendation of the Ontario Parks Integration Board and with the approval of the Lieutenant-Governor in Council, assistance is given by the Minister of Lands and Forests up to 50 per cent of the total cost or \$50,000, whichever is the lesser.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is C. H. Fullerton, formerly Surveyor-General, with R. G. Code, presently Surveyor-General, as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

- (a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;
- (b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.
- (c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and
- (d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

LAC SEUL WATER DIVERSION - February 28th, 1928
 The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

 Three-fifths of cost contributed by Canada, \$500,351.52.

Two-fifths of cost contributed by Ontario, \$333,567.67.

- (2) Canada assumes the total cost of maintenance and operation.
- (3) Canada pays to Ontario 5% on Ontario¹s capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.
- (4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

LAKE OF THE WOODS STORAGE-November 15th, 1922
 An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establish-

on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada 33.3333333 per cent for navigation.
- (2) Ontario 11.4871785 per cent for power head.

(3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at the Lake of the Woods storage and Ontario will recover these costs from The Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

 USE OF BECKWITH ISLAND FOR GROUSE RESEARCH-October 7th, 1949

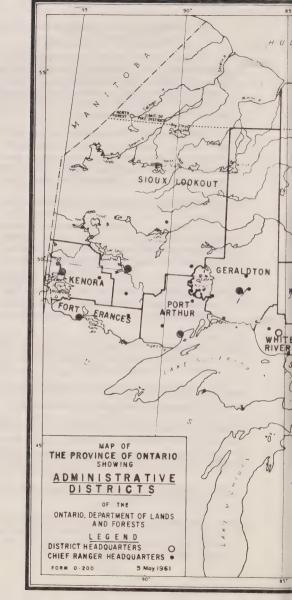
Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

 USE OF CERTAIN AREAS IN CAMP BORDEN FOR RESEARCH IN SILVICULTURE - January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

- Use and occupy for 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;
- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.
- ESTABLISHMENT, MAINTENANCE & OPERATION OF;
 - (1) Forest Insect Laboratory at Sault Ste. Marie;
 - (2) Laboratory of Forest Pathology at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.





- Co-operation in control of forest insects and forest diseases through entomological and pathological studies;
- (2) Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;
- Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- (5) Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Agreement is subject to review and may be terminated on six months notice.
- WEATHER OBSERVATION SERVICES Pickle Lake Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

8 FUR MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blue berries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario and two from Canada. Canada may appoint a liaison officer. The Committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

FOREST RESEARCH AGREEMENT, January 29th, 1959.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee rerecommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

II By an agreement dated April 5th, 1962, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1964, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

- (a) Forest Inventory 50 per cent.
- (b) Reforestation of Crown Lands, including lands of public authorities under control of the province;
 - (i) \$15 per unit for planting;
- (ii) \$2 per unit for seeding without ground preparation;
- (iii) \$4 per unit for seeding with ground preparation (scarification or controlled burning);

A unit is the planting of 1,000 trees or the seeding of an acre.

(c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects - 50 per cent.

- (d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products 50 per cent.
- (e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection 50 per cent.

The maximum annual payment shall not exceed \$1,650,018, of which sum not more than 60 per cent may be claimed for projects other than access projects. Additional assistance may be paid if other provinces do not qualify to receive their full allotment of the sum of \$7,910,000 which the federal government is spending on these programmes.

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to

be reviewed following April 1, 1963 and in every second year thereafter.

11 GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- Lamprey research and control in Lake Superior.
 In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.
- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

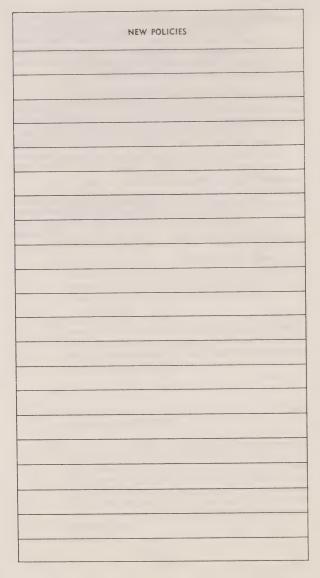
- General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.

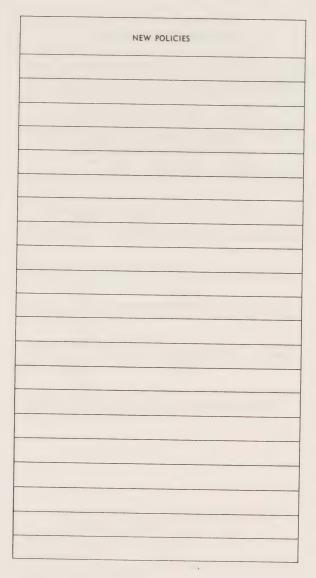
(3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

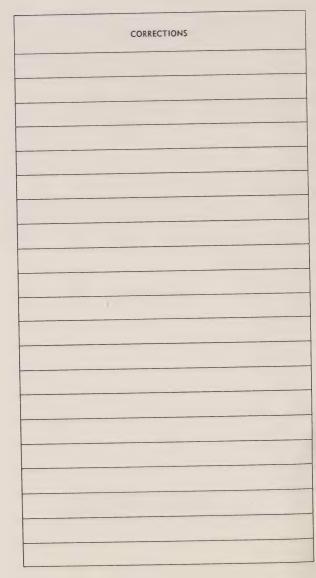
12 TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.







OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

The appointment of two Assistant Deputy Ministers, J.S. Yoerger and G.H.U. Bayly, on December 1st, 1957, coincided with the separation of the service unit into the Division of Operations and a separate Personnel Section. Re-named Branch in 1959, Operations has four Sections:-

OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for receiving, storage and supply of supplies, equipment, uniforms and printed material.

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

OPERATIONS BRANCH

Chief: P.O.RHYNAS

Assistant Chief: C. V. RICH

OFFICE MANAGEMENT SECTION

Supervisor: M. A. GONTIER

Purchasing, Material Control, Customs, Invoicing, Leased Premises, Office Management, Records, Circular Production, Equipment Inventory, Uniforms

CENTRAL SUPPLY WAREHOUSE

Supervisor: M. TOMS

Housing, Recording, Shipping of Stock, Delivery to Toronto Area Offices

CONSERVATION INFORMATION SECTION

Supervisor: R. V. WHELAN

Gathering, Screening and Producing Information on Conservation of Natural Resources, Compiling and Releasing Minister's Brief, News Releases and Public Appeals, etc.

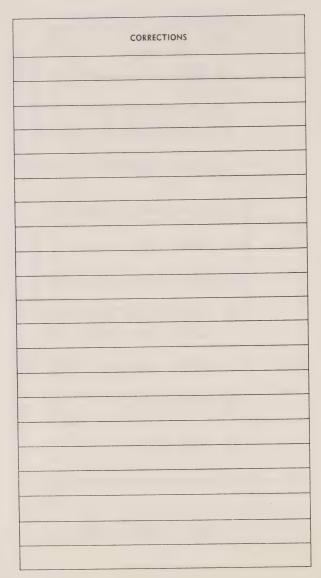
CONSERVATION EDUCATION SECTION

Acting Supervisor: C. V. RICH

Planning and Presenting to the Public a Complete Educational Programme of Our Natural Resources Through Lectures, 16 mm. Motion Pictures, Television and Exhibit Displays

LECTURE TOURS — Number of Meetings and Attendance

Years ending March 31st	SC	SCHOOL	Ġ.	PUBLIC	DEPA TO	DEPARTMENT TOTAL	On For Asso	Ontario Forestry Association
	423 405 780 876 827	53,913 50,990 101,360 89,020 93,895	246 377 752 655 629	24,558 22,481 58,615 71,969 136,293	669 782 1,532 1,531	78,471 83,471 159,975 160,989	200	1000
	675 702 721 1,196 1,143	80,411 50,900 53,679 89,835	913 1,224 1,223 1,546 1,526	75,850 84,283 86,895 95,701 116,263	1,588 1,948 2,742 2,669	156,261 135,183 140,574 185,536 208,642	1,141	128,052 185,552 119,312 100,650
	1,076 1,261 972 831 1,094	90,540 93,672 67,013 68,146 92,794	1,402 1,710 1,708 2,196 2,715	107,746 127,174 97,334 124,703 158,682	2,478 2,671 3,027 3,809	198,286 220,846 164,347 192,849 251,476	703 674 8538 484	56,394 68,758 68,832 40,430 61,056
	1,026	80,015 63,957	3,198	187,686	3,341	267,701 228,076	401	48,756



PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with the late W. B. Greenwood as Chief, following the realization of an imminent need for public outdoor recreational space. The organization was named Parks Branch in 1959.

A. B. Wheatley was appointed Chief on April 1st, 1961.

Within the responsibility of providing provincial parklands is the provision of certain facilities which are necessary for public use and enjoyment. With few exceptions, the emphasis is placed upon the natural environment as much as possible. Planning and development are related to the natural surroundings.

In certain provincial parks, programmes of interpretation and exhibit centres indicate and explain significant park features.

PARKS BRANCH

Chief: A.B. WHEATLEY

DEVELOPMENT SECTION

Supervisor: T.W. Hueston

PLANNING SECTION

Supervisor: A.R.K. McDonald

INTERPRETIVE SECTION

Supervisor: A. F. Helmsley

OFFICE MANAGEMENT SECTION

Office Manager: T.M. Van Dusen

SPECIAL PROJECTS

C. R. Tilt

Secretary

Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

Year	No. of Parks	No. of Vehicles	No. of Campers	No. of Visitors
1956	21		86,641	
1957	39	629,666	162,705	2,114,661
1958	45	927,871	276,128	3,232,460
1959	55	1,420,180	479,069	5,127,199
1960	63	1,552,662	592,103	5,692,978
1961	77	1,725,876	862,559	6,215,370
1962	82	2,182,116	1,058,203	7,822,549

ATTENDANCE AT INTERPRETIVE PROGRAMMES

	No. of		Nature	Conducted		Child
Year	Parks	Museums	Trails	Hikes	Lectures	Camps
1950	1		6,173	363	1,230	
1951	1		5,390	413	1,473	870
1952	2	200	14,341	752	2,059	958
1953	2	53,843	12,761	952	5,171	1,140
1954	3	72,839	18,920	1,353	7,521	2,193
1955	3	75,711	25,388	1,927	6,996	1,448
1956	5	91,246	23,125	2,015	8,912	1,815
1957	6	119,200	26,855	2,824	10,760	1,949
1958	6	146,681	40,617	3,973	14,799	2,790
1959	8	217,672	38,771	5,782	21,820	2,168
1960	9	298,129*	46,679	6,958	23,828	468
1961	8	311,291*	46,955	7,104	28,726	900
	12	374,475*	55,553*	9,748	46,301	1,340
1962						
Algonquin.		245,291*	40,590	4,342	21,690	1,220
Nancy Isla	nd	21,657				
Presqu'ile		23,738	4,641	1,417	6,662	120
Quetico		7,012	1,218	332	1,661	
Rondeau		28,561		1,166	3,213	• • • • •
Sibbald Po	int	21,516				
Sibley		26,700	520	808	3,875	
Inverhuron			7,000*			
Lake Super	ior			427	2,225	
Remi Lake.			84			
Kap-Kig-Iw	an		1,500*		• • • • •	
Pinery				1,256	6,975	

^{*} Estimated; all other figures are actual count.

I Does not include wilderness campers.

PROVINCIAL PARKS AND PARK RESERVES

as of November 30th, 1962

DISTRICT	Area	Campers	Visitors
PARK	(Acres)	in 1962	in 1962
CHAPLEAU			
Pive Mile Lake	1,010	2,764	7,359
Reserve (1)	15,360		
COCHRANE			
Greenwater	10,560	1,803	9,96
Kettle Lakes	2,304	4,469	66,22
Reserve (1)	46,000		
FORT FRANCES			
Caliper Lake	246	6,431	30,63
Lake of the Woods	2,127	944	10,84
Quetico	1,148,800	6,184	37,05
GERALDTON			
Blacksand	3,353	8,968	12,08
Klotz Lake	210	2,354	2,35
MacLeod Lake	200	4,670	41,70
Rainbow Falls	277	29,167	85,49
Reserves (10)	154,200		
GOGANA			
Ivanhoe	1,280	3,703	4,03
KAPUSKASING			
Nagagamisis	11,878	2,357	13,54
Remi Lake	980	4,130	25,97
Reserves (2)	5,595		
KEMPTVILLE			
Fitzroy	434	10,214	58,98
Murphy's Point	784	Dev	
Rideau River	130	16,836	198,94
Silver Lake	78	19,752	91,46
South Nation	13	6,076	40,34
KENORA			
Aaron	124	6,832	33,31
Rushing River	395	13,504	48,68
Sioux Narrows	284	5,746	36,01
Blue Lake	176	8,856	33,37
Reserve (1)	3,425		
LAKE ERIE			
Clay Creek	24	2,289	39,58
Holiday Beach	205	1,650	155,84
Ipperwash	109	23,226	199,49
Long Point	848	23,087	178,43
Pinery	4,333	64,289	329,25
St. Williams	.5	Day	19,65
Rock Point	42	2,735	20,75
Rondeau	5,504	36,221	686,33
Turkey Point	778	9,827	342,45

Day - Day Use Parks.

Dev - Parks under Development.

PROVINCIAL PARKS AND PARK RESERVES (Continued)

as of November 30th, 1962

DISTRICT PARK	Area (Acres)	Campers in 1962	Visitors in 1962
LAKE ERIE - Cont'd.			
John E. Pearce	62	Day	
Port Bruce	28	Day	
LAKE HURON			=0 =40
Craigleith	27	16,302	70,769
Inverhuron	545	23,888	115,764
Sauble Falls	44	15,050	166,219
LAKE SIMCOE		0.4. 500	144 274
Bass Lake	85	24,500	166,276
Devils Glen	14	3,740	71,110
Earl Rowe	732	6,350	69,707 342,168
Sibbald Point	495	51,100	
Six Mile Lake	177	15,450	100,841 98,344
Springwater	117	Day	518,136
Wasaga Beach	140	Day	218,130
Reserve (1)	100		
LINDSAY	295	13,792	118,860
Darlington	67	19,975	169,503
Emily	101	Day	19,011
Mark S. Burnham	2.170	43,546	311,749
Presqu'ile	70	15,490	108,848
Serpent Mounds Reserves (3)	13,955	20,470	200,010
NADWI DAV			
NORTH BAY	23	2,020	12,872
Antoine	75	9,207	31,426
Marten River	766	17,254	71,473
Samuel de Champlain	1,444	8,381	40,406
Reserves (2)	18,000	0,	
ACSCIVES (2/	10,000		
PARRY SOUND	6,310	30,622	157,746
Grundy Lake	24	16,201	132,342
Oastler Lake	2,334	28,667	157,279
Killbear Point	99	10,012	37,239
Mikisew	20	7,463	23,502
Sturgeon Bay Restoule	1,417	4,224	9,937
	-,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Algonquin	1,862,144	102,308	580,402
Carson Lake	1,002,144	3,682	6,01
Driftwood	655	8,295	15,29
PORT ARTHUR			
Inwood	82	9,399	13,72
Sibley	45,120	13,788	31,64
Kakabeka Falls	891	20,253	305,58
Middle Falls	11	8,706	53,57
Reserves (1)	8,900	0,	,

107

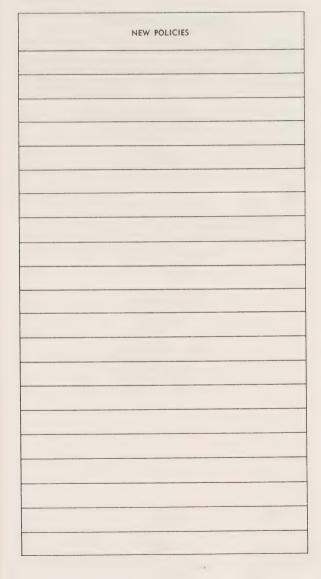
PROVINCIAL PARKS AND PARK RESERVES (Continued)

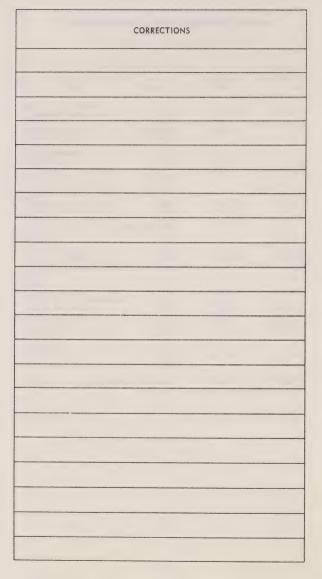
as of November 30th, 1962

DISTRICT PARK	Area (Acres)	Campers in 1962	Visitors in 1962
SAULT STE. MARIE	=10	20, 100	7F (37
Pancake Bay	710	29,100	75,637
Batchawana	400 333,632	Dev 30,989	69,296
Lake Superior Reserve (1)	90,000	30,707	07,270
Kezerve (1)	,000		
SIOUX LOOKOUT			
Pakwash	71	1,168	1,350
Ojibway	6,130	1,220	1,500
Reserve (1)	6,310		
SUDBURY			
Fairbank	85	13,338	38,966
Windy Lake	293	4,266	82,726
Chutes	235	1,100	1,192
Reserve (1) app	. 640,000		
THE CAPPE			
SWASTIKA Esker Lakes	7,680	4,000	26,489
Kap-Kig-Iwan	759	2,883	34,116
Reserve (1)	640	2,000	- 1,
200110 (2)			
TWEED	~~	10,823	51,598
Black Lake Lake on the Mountain	77 256	Day	31,370
Lake St. Peter	62	5,565	21,253
Outlet Beach	263	25,792	281,346
Sandbanks	1,200	Day	23,197
Bon Echo	1,460	17,994	84,610
MITTER DIVIED			
WHITE RIVER White Lake	3,980	31,216	41,275
Reserves (2)	37,040	01,110	7-,37
AC301103 (2)111111			
TOTALApprox.	4,594,508	1,058,203	7,822,549

Day - Day Use Parks.

Dev - Parks under Development.





PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

Recruitment
Transfers and Promotions
Courses and Educational Leave
Grievances, Discipline

Classification Class Specifications Job Descriptions Salary Surveys

Personnel Records Nominations, Separations, Renewals Permanent and Temporary Appointments Annual Increments, Attendance

> Junion Ranger Programme Safety and First Aid Workmen's Compensation

Transfers and Promotions
Establishments
Control of Casuals
Job Advertising
Staff Appraisals

Special Assignments Staff Replacement Needs Comparative Salary Surveys Job Descriptions Recruitment of Professional Staff.

NUMBER OF EMPLOYEES in years ending March 31st

WORKMANS COMPENSATION

Year	Perm- anent	Temp orary	Mon- thly	Total	Casual*	Claims	Cost
1943	304	218		522	339		
1944	310	268		578	397	98	\$ 12,850
1945	324	305		629	929	120	14,540
1946	373	318		691	573	129	14,249
1947	523	562		1,085	527	182	21,560
1949	1,167	196		1,363	562	494	35,989
1950	1,352	157		1,509	580	501	50,989
1951	1,420	141		1,561	617	394	43,951
1952	1,441	181		1,622	790	368	54,158
1953	1.518	158		1,676	680	417	51,169
1954	1,546	175	• • •	1,721	633	494	64,693
1955	1,618	142		1,760	727	455	63,357
1956	1,611	180		1,791	655	910	106,962
1957	1,583	175		1,758	929	588	85,159
1958	1,685	134	• • • •	1,819	3,209	727	101,376
1959	1,759	113		1,872	2,750	874	132,572
1960	1,946	90		2,036	1,224	687	150,709
1961	2,096	121	320	2,537	1,734	649	130,210
1962	2,348	189	44	2,581	1,059	771	120,384

^{*}Does not include extra fire fighters.

ON STAFF

NUMBER OF PROFESSIONAL EMPLOYEES

with University degrees in years ending March 31st

Ranger				-		. 0100
Grads	Year	ers	gists	Engrs	Others	Tota
	1943	56			19	75
	1944	45				58
• • •	1945	54	• •	• •	29	83
	1946	55			14	69
	1947					
	1949	85	18	2	10	115
• • •	1950	123	20	4	10	157
237	1951	147	25	3	12	187
257	1952	158	26	5		205
293	1953			5		220
331	1954			6		237
379	1955	174	39	5	26	244
425	1956	139	34	6	27	206
461	1957	182				249
504						251
533						266
575	1960	189	43	16	25	267
639	1961	218	53	10	24	305
703	1962					346
	School Grads 237 257 293 331 379 425 461 504 533 575	School Grads Year 1943 1944 1945 1946 1947 1950 237 1951 257 1952 293 1953 331 1954 379 1955 425 1956 461 1957 504 1958 533 1958 533 1959 575 1960 639 1961	Ranger School Grads Year Forest	Ranger School Grads Year Forest- Biologists 1943 56 1944 45 1945 54 1946 55 1947 1947 1949 85 18 1950 123 20 237 1951 147 25 257 1952 158 26 293 1953 166 33 331 1954 172 36 379 1955 174 39 425 1956 139 34 461 1957 182 34 504 1958 181 40 533 1959 193 41 575 1960 189 43 639 1961 218 53	Ranger School Forest-ers Biologists Civil Engrs 1943 56 1944 45 1945 54 1946 55 1947 1950 123 20 4 237 1951 147 25 3 257 1952 158 26 5 293 1953 166 33 5 331 1954 172 36 6 379 1955 174 39 5 425 1956 139 34 6 461 1957 182 34 6 504 1958 181 40 6 533 1959 193 41 10 575 1960 189	School Grads Year Forest- ers Biolo- gists Civil Engrs Others 1943 56 19 1944 45 13 1945 54 29 1946 55 14 1947 1949 85 18 2 10

SUMMARY OF CLASSIFICATIONS

Permanent and Temporary Staff as of October 31st. 1962

GROUPS	Head Office	Field	Total
Air Engineers	33	10	43
Air Pilots	25	12	37
Air Service Staff	23		23
Artists, Commercial	1	35	1 54
Biologists	19	33	34
Boat Captains		2	2 29
Communication Technicians	8	21 216	222
Conservation Officers	19	210	19
Conservationists Draughtsmen, Cartographers	47		47
			-
Engineers	7	~~	7
Engineers (Stationary)	45	111	156
Forest Rangers	9	678	687
Hatchery Staffs	2	60	62
Maintenance Staffs	21	118	139
Mechanics, etc	11	52	63
Office Staffs	323	287	610
Photography Staffs	17 3	22	17 25
Radio Operators	٥	44	40
Reforestation Staffs	2	88	90
Research Scientists	23	2	25 5
Research Technicians	5 1	3	4
Safety Officers	2		2
Solicitors			
Supervisory Staff	31	43 15	74 27
Supply Assistants	12 6	15	6
Surveyors	2		ž
Truck Drivers	3	35	38
TOTAL	710	1,810	2,520
FOREST RANGERS			
Class 5*	1	21	22
Class 4*	2	89	91
Class 3*		201	201
Class 2	5	162	167
Class 1	1	205	206
CONSERVATION OFFICERS			
Class 6*		7	7
Class 5*	2 2	14	16 12
Class 3*	2	10 24	24
Class 2	1	135	136
Class 1	ī	26	27

DISTRIBUTION OF JUNIOR RANGERS (Summer Months Only)

DISTRICT	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Chapleau	23	26	40	46	39	90	35	37	36	69	00
Cochrane	26	36	39	45	39	35	24	24	25	36	33
Fort Frances	:	•		14	16	14	14	23	12	12	24
Geraldton	10	15	35	24	27	48	29	64	46	09	22
Содаша	21	25	34	43	27	38	36	39	37	47	35
Kapuskasing	12	21	32	43	33	200	34	40	36	36	39
Kenora		•	10		10	11	25	26	13	12	13
Lindsay	14	25	29	46	•	•					
North Bay	22	30	38	38	38	48	35	38	26	36	34
Parry Sound	12	15	20	25	46	35	36	37	36	46	55
Pembroke	32	35	42	51	20	42	34	34	24	33	37
Port Arthur	13	15	11	∞	24	13	36	39	24	25	36
Sault Ste. Marie	31	37	09	53	75	73	64	63	29	64	65
Sioux Lookout	12	21	19	•	11	13	13	15	13		23
Sudbury	14	23	24	42	26	21	46	39	46	48	57
Swastika	24	27	31	11	43	24	24	26	24	4	40
Tweed	24	29	32	26	:	:	:	:		:	•
White River	22	23	78	42	62	39	49	49	35	47	47
TOTAL	312	403	524	547	614	550	564	593	503	619	189

113

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

February, 1961

(Areas are given in square miles as of March 31st, 1961) Land Chapleau	Fish					
	1014	Fish & Wildlife Control		Fir	Fire Protection	
	and	Water	Total	Land	Water	Total
	,279	633	6,912	6,279	633	6,912
	,522	1 270	7 199	5.820	1,379	7,199
	543	9.807	45,350	35,543	6,807	45,350
	,931	446	6,377	5,931	446	6,377
	7.776	750	18,526	17,776	750	18,526
Kapuskasıng	351	298	5,649		2 000	12 173
	,173	3,000	12,173	6/1/2	2000	24614
	6,905	6,142 6,486	13,047 15,346	723	22	745
	710	1.444	6,154	220	19	239
	2002	1,692	6,789	2,498	217	2,715
	090	887	5,856	4,969	887	5,856
	552	3.031	8,583	5,552	3,031	8,583
Perbroke	4,765	410	5,175	4,575	400	4,975
			200	11 200	2 578	13.887
	1,309		13,887	8.024	3,328	11,352
Sault Ste. Marie 03,	09,107	11,099	120,115	73,402	8,001	81,403
•	2					

SudburySwastika	6,538	4,298	10,836	6,538	1,243	7,781
	5,270	291	5,561	5,270	291	5,561
	7,015	1,721	8,736	4,558	304	4,862
	6,400	3,051	9,451	6,400	3,051	9,451
Manitoulin Island Group Total Area of Ontario	247,700	08,440	1,124 412,582	268, Square Miles.	586 45,448 312,0 This includes the Great Lakes north of the International Boundary.	312,034 kes north Boundary.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

115

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. Sudbury administrative area includes waters of the North Channel and Lake Huron within the Territorial District of Manitoulin, but it does not include the land area of Manitoulin, Cockburn, Fritzwilliam, Lonely, Great Duck, Western Duck or Barrie Islands.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Total: 33,696 square miles. Parry Sound, 2,323.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2,120 feet above sea level.

(SEE MAP OF DISTRICTS, Pages 76, 77)

ASSISTANT DEPUTY MINISTERS

ASSISTANT DEP	UTY MINISTERS
J.S. YOERGER	Fish and Wildlife Branch Lands and Surveys Branch Parks Branch
G.H.U. BAYLY	Forest Protection Branch Research Branch Timber Branch
REGIONAL	DIRECTORS
R. D. K. ACHESON	172 Elm St., West, Sudbury. Telephone Osbourne 5-8394
A.S. BRAY	Forestry Building, Port Arthur. Telephone DI-5-6543.
REGIONAL	FORESTERS
R. BOULTBEE	WESTERN 232 Scott St., Fort Frances. Telephone BR-4-5337.
R. HYSLOP	MID-WESTERN Forestry Building Port Arthur. Telephone DI-5-6543.
R.H. HAMBLY	NORTHERN 113 6th Avenue, Cochrane. Telephone 139.
D.R. WILSON	SOUTH-EASTERN Ontario Government Building, Lindsay. Telephone 324-6121.
P. ADDISON	SOUTH-WESTERN R. R. 2, Maple. Telephone Av-5-1171-212.

CHAPLEAU DISTRICT

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester	J.R. Keddie
SUPERVISORS	
Accounts Fish and Wildlife Forest Protection. Lands Parks Timber Scaling	G.J. Murray V. Crichton L. Ridsdill W.E. MacPhail W.E. MacPhail D.E. Gage L.C. Mantle
CHIEF RANGERS	
Biscotasing	W. P. O'Donnell L. T. Cecile
COCHRANE DISTRICT OFFICE: Court House. Telephone 142.	
District Forester	F. L. Hall
SUPERVISORS	
Accounts Fish and Wildlife Forest Protection. Lands Reforestation. Timber	A.N. Birney S. Nodwell G.P. Elliott H.E. Wright P. Anslow
Scaling	S. E. McWhirter
CHIEF RANGERS	
Low Bush	R. Woodali S. Russell

Timmins C.R. Gray

FORT FRANCES DISTRICT

OFFICE: 232 Scott Street. Telephone Browning 4-5337.

District Forester. R. A. Balkwill SUPERVISORS A. R. Taylor H. Pearson C. Elsev L. Rawn Surveys and Parks E. L. Kelly Reforestation H. Henry G. E. Mayhew CHIEF BANGERS J. E. Anderson Fort Frances F. Dustak GERALDTON DISTRICT OFFICE: 184 Main Street. Telephone 1030. District Forester..... G.E. MacKinnon SUPERVISORS B. J. Scalzo Fish and Wildlife E. H. Stone J. Goddard (Acting) R. V. Brady A. F. Parker Land and Parks F. C. Robinson A. G. Strev CHIEF RANGERS H. N. Whalen Longlac.....

J. A. Murphy

A. J. McGoev

P. Bellavance

R. W. A. Koski

GOGAMA DISTRICT

OFFICE: Town of Gogama. Telephone 95.

District Forester		D. M. Peacock
	SUPERVISORS	
Accounts Fish and Wildlife Forest Protection Lands Parks		J.D. Petrony J. Canfield R. Brandes
Timber	• • • • • • • • • • • •	J. McKnight E. Dew
	• • • • • • • • • • • • • • • • • • • •	

KAPUSKASING DISTRICT

KAPUSKASING

OFFICE. Kapuskasing. Telephone Edgewood 5-2231

District Forester.	• •		۰	٠	0	۰	۰	۰	۰	0	۰	•	J.S. Ball
			SU	ΡI	ΞR	[V]	[S	OF	RS				
Fish and Wildlife .										۰		0	O. Lewis
Forest Protection.			۰		10		0			0		۰	F. Dodds
Lands													T. Murphy
Parks													
Reforestation													
Timber													
Scaling				۰	۰	٠	۰			۰			E. A. Boice
		0		- T			N.T.	~ r	-17				

CHIEF RANGERS

Kapuskasing. J.H. Clavelle
Hearst. J. Shalla
Hornepayne L.E. Grife

KEMPTVILLE DISTRICT

OFFICE: Kemptville. Telephone 258-3411.

District Forester. W. A. G. Thurston

SUPERVISORS

Accounts . F.S. Bumstead
Fish and Wildlife . D. Sylvester
Biologist . E.A. Green
Lands and Parks . E.A. Green
Timber . H.R. Grinnell

NURSERY

Kemptville H. H. de Vries

KENORA DISTRICT

OFFICE: 213-15 Main Street.

Telephone Homestead 8-9841.

District Forester. G. F. Coyne

SUPERVISORS

 Accounts
 G. McChesney

 Fish and Wildlife
 P. Thompson

 Forest Protection
 B. T. Dunne

 Lands
 J. Wynd

 Parks
 H. V. Berg

 Timber
 D. J. Vance

 Scaling
 G. C. Mackey

CHIEF RANGERS

Kenora J. Mackay
Minaki J.L. Hamill
Dryden H. R. Redding

LAKE ERIE DISTRICT

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynold	s
SUPERVISORS	
Accounts G. B. Fewings	S
Fish and Wildlife E. L. Skuce	
Biologist	
Parks K. A. Camero	n
Timber C.J. Heeney	
NURSERY	
St. Williams A. A. Russell	
PARKS	
Rondeau R. McLaren	
Pinery and Severn C.C. Myers	
Ipperwash J. Matheson	

LAKE HURON DISTRICT

OFFICE: R.R. No. 1, Hespeler, Telephone Oliver 8-9356.

District Forester	E.K.E. Dreyer
SUPERVISORS	
Accounts	H. Makerow
Fish and Wildlife	E. Meadows
Biologist	R. E. Mason
Parks	
Timber	J. L. Mullen

LAKE SIMCOE DISTRICT

OFFICE: R.R. 2, Maple. Telephone Avenue	5-1171218.
District Forester	A.W. Leman
Accounts Fish and Wildlife Biologist Forest Protection. Lords and Parks	J. Carswell R. H. Trotter A. A. Wainio W. A. Armstrong A. Selwood S. R. Hamilton
NURSERIES	
Angus	W.E. Edwards J. Halpenny
PARKS	
Sibbald's Point	D. R. Cutts
LINDSAY DISTRICT OFFICE: Ontario Government Building, Linds: Telephone Fairview 4-6121. (Direct line from Head Office)	ay.
District Forester	A. E. Walroth
SUPERVISORS Accounts Fish and Wildlife Biologist Forest Protection. Lands Parks Timber Scaling	H. C. Wallwin P. W. Swanson K. Irizawa B. B. Benson G. Simons P. R. Davidson E. F. Johnston R. A. Quirt
CHIEF RANGERS Minden	P.J. Cassidy W. Sarginson
PARKS Presqu'ile	P.J. Kennedy
NURSERY Orono	W.R. Bunting

NORTH BAY DISTRICT

OFFICE: 263a Main Street West. Telephone Grover 2-9360.

(Direct line from Head Office)

District Forester........ W. B. M. Clarke Assistant District Forester

SUPERVISORS

J. E. Rogers J. F. Gage J. F. Gage F. M. Miller Lands...... W. Turnbull A. D. Tremblav R. Lockhart Scaling R. T. Fraser

CHIEF RANGERS

A. W. O'Donnell North Bay..... L. L. Bronson

PARRY SOUND DISTRICT

OFFICE: 41 James Street. Telephone Riverside 6-2141.

District Forester........ M. A. Adamson Assistant District Forester

SUPERVISORS G. F. Walter J. A. Macfie C. W. Douglas C. W. Douglas D. Burns Lands..... T. H. E. Croswell W.R. Peck W. A. Perrin A.J. Tracy Scaling

CHIEF RANGERS

R. E. Simpson W.J. Barber

PEMBROKE DISTRICT

OFFICE: 162 Agnes Street. Telephone Regent 2-3661.

District Forester F. E. Sider Assistant District Forester D. A. Fawcett

SUPERVISORS

 Accounts
 G. Bragg

 Fish and Wildlife
 H. E. Deedo

 Biologist
 J. F. Gardner

 Forest Protection
 J. K. K. Legris

 Lands
 J. Orme

 Parks
 J. E. Collard

 Timber
 C. R. Groves

CHIEF RANGERS

 Pembroke
 R. N. Cousineau

 Whitney
 H. W. Hanes

 Stonecliffe
 J.J.R. Tait

PORT ARTHUR DISTRICT

OFFICE: Forestry Building, 14 Algoma St. North. Telephone Diamond 5-6543.

District Forester..... W.L. Sleeman

SUPERVISORS

J. Chadwick

J. W. E. Peden

CHIEF RANGERS

NURSERY

Fort William E. M. Cressman

SAULT STE MARIE DISTRICT

OFFICE: Airdrome Building. Telephone Algoma 6-7461.

District Forester	J.W. Lockwood
SUPERVISORS	
Fish and Wildlife Biologist Forest Protection. Lands	J. C. Kindness N. D. Patrick N. D. Patrick G. A. McCormack
CHIEF RANGERS	
Sault Ste. Marie	J. A. Huppe C. Tregonning E. Montgomery
SIOUX LOOKOUT DISTRIC	CT
OFFICE: 38 Front Street. Telephone 740.	
	W.G. Cleaveley J.E. Barnes
SUPERVISORS	
	D. Munch C.E. Perrie

Sioux Lookout.........

Ignace......

Lands

Red Lake

125

CHIEF RANGERS

A. E. Armstrong

E. W. Bouchey S. N. Johnson

J. K. Gaughan E. L. Sullivan

H.S. Anderson

G. M. Fenelon

D. R. Williams

F. J. Atkinson

F. Nicoll

SUDBURY DISTRICT

OFFICE. 17	2 Elm St.	West.		bourne 5-8394. rom Head Office)
District Fore	ester		RVISORS	G. A. Hamilton
Accounts Fish and Will Biologist Forest Prote Lands Reforestation Timber Scaling	dlife ection			G. Jennings C. Bibby G.I. Gillespie G. Bulloch A.S. Currie A.W. Chalk J.F. Flowers C.J. Munro
Skead Espanola Sudbury				V. Bragg E. Morin W. Wetow
OPPIGE: G			A DISTRICT	2000
OFFICE: Sw	astika. 1	erepnone	Kirkland Lake	3090.
District Fore	ester			J.D. Hughes
Accounts Fish and Wil Biologist Forest Protest Lands	dlife	SUPE	RVISORS	H. Michiel D. Waldriff W.H. Charlton G. Brown J. McDougall H. Mattson D. A. Scott F. Janser F. Thib
Accounts Fish and Will Biologist Forest Prote Lands Parks Reforestation Timber	dlife	SUPEI	RVISORS	H. Michiel D. Waldriff W.H. Charlton G. Brown J. McDougall H. Mattson D. A. Scott F. Janser

TWEED DISTRICT

OFFICE: Municipal Building, Metcalfe Street. Telephone 361. District Forester........ J. M. Taylor SUPERVISORS W. H. Porch H. S. Dornan R. E. Whitfield McKinley Wilson Lands A. E. Beach W. H. Cantelon J. Keenan W.J. Everett CHIEF RANGERS M.D. Mulvihill O. Goodman L. Fleguel WHITE RIVER DISTRICT OFFICE: White River. Telephone 186. District Forester. A. L. Dunne

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W.C. Johnstone

J. D. Griffiths

E. A. Pozzo W. Kitt

L. H. Eckel

J. E. Rumney

C. Macdonald

J. Small

SUPERVISORS

CHIEF RANGERS

Fish and Wildlife

Mobert

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

Director.		٠		٥		٠	٠	٠					٠	٠		Q. E. Hess
Accounts		٠			٠		٠	٠	٠	۰	٠	۰	٠	۰	۰	J. Palmer

INSTRUCTORS

E. Goodman W.A. Morris G. Pennock W.P. Small D.L. Lillow J.E. Dickenson

NEW POL	ICIES
	>

CORRECTIONS
1

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

 $R.\,N.$ Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within ecomonic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types-combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started-two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Chief: R. N. JOHNSTON Assistant Chief: A. P. LESLIE Executive Officer: A. R. FENWICK FISHERIES K. H. LOFTUS WILDLIFE R. O. STANDFIELD FORESTRY D. H. BURTON MECHANICS M. H. BAKER STATISTICS T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFF

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated, Joint committees advice on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

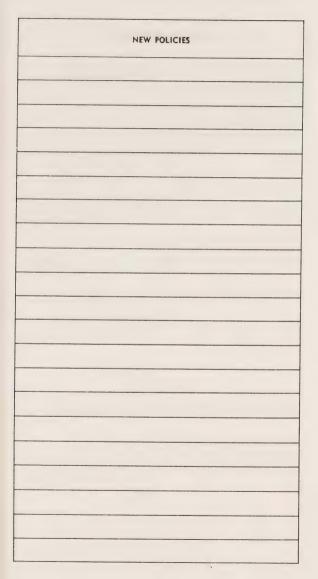
Wildlife

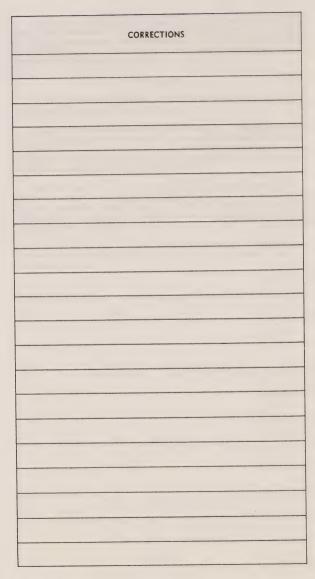
In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), furbearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife-mainly forest damage caused by deer, rodents and hares.





TIMBER BRANCH

The first timber sales in Ontario were made in 1826. Before that date, the only persons authorized to cut timber on Crown lands were contractors for the Royal Navy. In 1827, the system of selling timber licences at public auction was established. This system, requiring a lump-sum bonus price in addition to Crown dues, remained largely unchanged until 1903. From that year until 1924, timber sales were made on a basis of bid over and above Crown dues. (The bid was quoted in terms of thousand-feet board measure or other unit of measure.) The prices tendered above Crown dues and upset price were considered as bid price. This remains, in general, the basis of present sales.

From 1826 to 1867, an area of 12,000 square miles came under timber licence, providing a bonus of \$100,000. From Confederation until 1902, when the last lump-sum bonus sale was made, an additional 12,000 square miles were placed under licence. The average bonus on these sales was \$2,000 per square mile.

In 1935, the management of timber resources came under the control of the District Forester in every District. Previously, management had been the responsibility of Crown Timber Agents who dealt directly with Head Office.

The Ontario Rule was adopted on April 1st, 1952, to replace the Doyle Rule which had been in use since 1879.

The largest cut or red and white pine was 192 million cubic feet, cut in the fiscal year, 1908-09.

ORGANIZATION

In 1941, the Divisions of Timber Management and Reforestation were established under J. F. Sharpe and E. J. Zavitz, respectively, as Chiefs.

J. A. Brodie was appointed Chief of Timber on December 1st, 1957, at which time Timber and Reforestation were established as Branches in the newly named Division. Silviculture was established as a Branch in 1958. The Division was termed Branch and the Branches, Sections, in 1959.

TIMBER BRANCH

Chief: J. A. BRODIE Assistant Chief: M. B. MORISON REFORESTATION SECTION Supervisor: R.W. Hummel Tree Production and Distribution Soil Amendment Programmes Extension Forestry SILVICILITURE SECTION Supervisor: A. J. Herridge Forest Inventory Management Planning Silviculture Operations TIMBER SECTION Supervisor: L. Ringham Sales, Licensing Stumpage Appraisal Scaling Office Management Special Projects

FOREST RESOURCES INVENTORY

A survey of the exploitable forest resources of Ontario was begun in 1946 and completed in 1957 with the making of approximately 203, 500 prints from aerial photographs covering 284, 906 square miles.

In this continuous inventory, approximately 112,000 square miles were rephotographed by the end of 1962.

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E. J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1905.

The nursery was moved to St. Williams (the first Forest Station) in 1908 and supervised by Dr. Zavitz for the Department of Agriculture until 1912 when it was handed over to the new Forestry Branch established within the Department of Lands and Forests.

Dr. Zavitz transferred at the same time to assume control of the new Branch. He became Provincial Forester in 1917 and Deputy Minister for Forestry Branch in 1926. He acted as Chief of Reforestation Division from 1941 until his retirement in 1957.

The main purpose of Reforestation Section is the planting of trees on Crown lands and managed forests where natural regeneration is not successful.

The Section also provides trees and technical advice to private landowners to encourage the growth and sound management of woodlots,

VOLUME OF WOOD CUT BY SPECIES - 000's cubic feet in years ending March 31st

SPECIES	1946	1947	1948	1949	1950	1921	1952	1953	1954	1955
SOFTWOODS Balsam Gedar Gedar Jack Pine Sark Pine Shruce Spruce Tamarack Fuel wood	15,146 77 5,462 30,5712 30,550 193,286	11,563 139 5,731 78,964 78,964 188,645	15,003 180 5,272 85,545 26,315 208,678 1,951	13,802 126 6,299 81,862 30,459 174,652 16 1,546	9,418 127 5,753 58,775 25,786 134,310 10 719	12,547 96 6,679 85,604 30,605 207,318 7	16,057 234 8,933 108,859 34,334 251,831 4,677	11,860 197 5,808 81,644 34,562 1155,873 3,396	13,223 97 4,368 75,488 275,488 275,488 275,488	14,093 738 3,872 81,779 30,528 175,666 175,666
HARDWOODS Birch Maple Poplar Fuelwood Others	3,214 1,527 6,087 964	4,092 1,797 14,190 1,020 580	4,764 2,053 11,576 1,552 1,755	5,541 2,499 13,653 1,054 1,061	6,303 1,976 6,036 1,166 1,148	6,679 2,361 12,478 568 1,145	7,892 3,592 22,049 1,530	8,623 3,043 14,272 1,577	8,589 2,207 15,756 1,293 691	7,506 2,265 12,955 1,802 552
TOTALS Softwoods 12,628 All Species 320,812 Total Value Construction Constructio	308,184 12,628 320,812	311,845 21,679 333,524 included)	342,951 21,780 364,751	308,761 23,807 332,568	234,098 16,628 250,727	343,530 23,231 366,761	424,936 36,398 461,334	293,352 28,483 321,835 10,428	286,605 28,536 315,141 10,756	309,724 25,081 334,806 11,473

VOLUME OF WOOD CUT BY SPECIES -- 000's cubic feet in years ending March 31st

31		4,766	155	08/	857	,037	150	047	75	1 476			109	469	385	784	,972	7	26	261	787	239	,356	,202		311,519	593	,112	12,048	
30 1961																7	7,397 6									312,292 311			11,824 12	
1959 1960										11 3							6,165 7,			196						264,253 312,			10,155 11,	
1958 19										80 0							7,173 6									301,390 264			11,412 10	
1957 1										22							6,312 7									361,424 30			13,363	neluded)
1956										32					138									1,813				379,888 39		levy not in
SPECIES	SOFTWOODS	:	Cedar	Hemlock						:	Fue Iwood	HARDWOODS	Ash	Basswood	Beech	White Birch	Yellow Birch	Butternut	Cherry	E lm	Maple	0ak	Poplar	Fue Iwood	TOTALS			:	Total Value	(\$000's export levy not included

TIMBER CUT IN DISTRICTS in 000's cubic feet and \$000's in year ending March 31st, 1961

Stumpage nus Value	\$ 571 1,109 406 1,855	1,701 13 847 108 1/3	641 248 449 1,230 607	677 230 491 186 448
Stun	\$ 69 192 66 151 58	327 13 111 49	329 136 225 197 291	57 64 176 100 63
Dues	\$ 502 917 340 1,703	1,374	312 112 224 1,033 316	620 167 315 86 385
tXmas	225 590 500	4	129	125
Total Volume	19,791 30,791 14,377 61,265 12,027	43,648 67 24,936 2,741	13,772 5,116 9,147 35,739 12,257	22,376 7,006 13,421 5,116 13,510
(d) Misc.	175 32 257 339	109	32	5 116 111 69
Fuel	146 297 42 171 44	312 29 28 4	243 343 45 45	245 258 276 16 18
Pulp- wood	10,322 28,098 12,868 50,862 5,200	26,127 65 24,008	2,719 617 1,130 28,062 1,450	19,211 3,683 5,084 1,477 11,464
*Boom Timber	60 75 35 218 29	349	82 13 643 715 73	255 19 40 25 3
Sawlogs	7,550 562 40 9,755 2,355	16,830	36 .752	931 1,750 3,148 1,956
Ontario	1,713 1,584 1,360 4,060	22 73 2,412	10,730 4,236 7,342 186 10,680	1,429 1,280 4,821 3,585
Permits Issued	125 517 243 211 61	930 335 50 19	484 327 56 369 124	192 400 426 194 51
DISTRICT	Chapleau Cochrane Fort Frances Geraldton	Kapuskasing Kemptville Kenora Lindsay	North Bay Parry Sound Pembroke Port Arthur	Sioux Lookout Sudbury Swastika Tweed

138

*Includes piling, poles, dimension timber. † Number

† Number of trees.

(d)Includes Doyle Scale.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	Ontario	Sawlogs	*Boom Timber	Pulpwood	Fuel	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Stumpage Value
1954	• •	46,025	12,119	2,378	225,659	3,647	26,840 8,114	315,141	43	\$8,581 9,135	\$2,175	\$10,756 11,658
1956 1957 1958 1959	5,403 5,192 5,051 5,421 5,096	77,087 73,986 55,938 51,470 64,571	33,326 22,967 27,762 28,687	22,781 3,646 3,444	262,146 289,985 245,161 207,003 246,493	4,214 4,517 3,891 3,968 2,744	826 858 1,290 1,836 2,038	379,888 395,054 336,838 295,608 348,140	64 16 23 6	9,619 10,740 8,987 7,950 9,493	2,573 2,578 2,346 1,89	12,191 13,514 11,565 10,297 12,282
1961	5,114	55,521	52,303	2,720	232,744	2,678	1,146	347,112	7	9,509	2,674	12,182

*Includes piling, poles, dimension timber.

†Number of trees in 000's. (d)Ir

(d)Includes Doyle Scale,

LICENSED AREAS, 1947-1954

		Timber	Pulpwood	Area
	Number of	Licences	and Timber	Licensed
Year	Licences	Area	Agreements	(sq. mi.)
1947	906	11,710	56,745	68,455
1948	945	12,095	66,254	78,349
1949	906	11,975	66,980	78,955
1950	849	11,913	69,860	81,773
1951	811	10,810	74,257	85,067
1952	815	10,892	83,316	94,208
1953	793	10,802	87,007	97,809
1954	763	11,292	87,007	98,299

TIMBER LICENCES as of March 31st (Areas in square miles)

	Number of	Area Under	Area Under	Area Under	Total Area
Year	Licences	Section 2	Section 3	Section 4	Licensed
1955	731	6,435.50	85,075.40	21.10	91,532.00
1956	748	6,140.05	88,273.71	170.26	94,585.0
1957	604	5.600.65	89,952.49	200.94	95,754.0
1958	586	5.354.80	98,149,46	181.33	103,685.5
1959	569	4.520.62	99,612.16	199.90	104,332.6
1960	573	4,206.22	99.818.60	186.98	104,211.8
1961	569	3,647.71	99,103.39	137.79	102,888.8
1962	569	3.563.07	99.347.87	154.26	103,065.2

MILLS LICENSED 1947-1954

wmills Pulp Mill Over And/Or M Feet Paper Mil	
A Feet Paper Mil	18
42 35	
49 35	
40 35	
43 35	
53 35	
58 35	
58 31	
56 29	
4 4 14 14	42 35 49 35 40 35 43 35 53 35 58 35 58 31

MILLS LICENSED as of March 31st

Year	*Saw to 10	*Saw 10-50	*Saw 50 up	Pulp	Ven- eer	Spec- ialty	Total
1955						• •	
1956					• •	• •	
1957					• •	• •	
1958							
1959					0.0		
1960					• •	• •	
1961					• •		
1962	797	11	8 36	24	23	87	1,085

^{*}Saw mills by daily capacity in 000's fbm

MANAGEMENT UNITS as of March 31st

	CO	MPANY	C	ROWN	Т	OTAL
Year	No.	Sq. Mi.	No.	Sq. Mi.	No.	Sq. Mi.
1954	36		87		123	
1955	36	• • • • • •	81	• • • • • •	117	• • • • • •
1956	39	78,382	82		121	
1957	41	78,837	80	129,551	121	208,388
1958	43	85,034	81	125,397	124	210,43
1959	48	89,754	77	120,165	125	210,919
1960	101	100,408	72	83,294	173	183,702
1961	79	96,983	7 6	83,900	155	180,883
1962	79	99,987	78	84,108	157	184,09

*Girdling included under Poisoning and Improvement Cutting.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1962

Angus		YEAR
St. Williams 1908	SEED PLANTS	
NURSERIES 1956 1956 1958 1958 1958 1958 1958 1958 1955 1955 1955 1955 1955 1956 19	Angus	1923
Chapleau 1956 Dryden 1958 Englehart 1955 Fort William 1946 Gogama 1956 Kemptville 1946 Midhurst 1922 North Bay 1954 Orono 1922 Sault Ste Marie 1956 St. Williams 1908 Swastika 1958 White River 1956 DEMONSTRATION FORESTS Angus 1923 Bloomfield (Sand Banks Forest) 1920 Elizabethville (Prouse Forest) 1946 Fort William 1946 Kemptville 1946 Midhurst 1922 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1940	St. Williams	1908
Dryden	NURSERIES	
Dryden	01 1	1050
Englehart. 1955 Fort William 1946 Gogama 1956 Kemptville 1946 Midhurst 1922 North Bay 1954 Orono 1922 Sault Ste. Marie 1956 St. Williams 1908 Swastika 1958 White River 1956 DEMONSTRATION FORESTS Angus 1923 Bloomfield (Sand Banks Forest) 1920 Eli zabethville (Prouse Forest) 1946 Fort William 1946 Kemptville 1946 Midhurst 1946 Midhurst 1922 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1940 St. Williams 1940 St. Williams 1940		
Fort William 1946 Gogama 1958 Kemptville 1946 Midhurst 1922 North Bay 1954 Orono 1922 Sault Ste. Marie 1956 St. Williams 1958 White River 1958 DEMONSTRATION FORESTS Angus 1923 Bloomfield (Sand Banks Forest) 1920 Elizabethville (Prouse Forest) 1946 Fort William 1946 Kemptville 1946 Midhurst 1942 Orono 1922 St. Thomas (McKay Forest) 1922 St. Thomas (McKay Forest) 1940 St. Williams 1946 St. Williams 1946 St. Williams 1940 St. Williams 1940	Englobert	
Gogama		
Semptville		
Midhurst 1922 North Bay 1954 Orono 1922 Sault Ste. Marie 1956 St. Williams 1908 Swastika 1958 White River 1956 DEMONSTRATION FORESTS Angus 1923 Bloomfield (Sand Banks Forest) 1920 Elizabethville (Prouse Forest) 1946 Fort William 1946 Midhurst 1942 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1940		
North Bay 1954		
Orono		
St. Williams 1908		1922
Swastika	Sault Ste. Marie	1956
Swastika	St. Williams	1908
White River 1956 DEMONSTRATION FORESTS 1923 Angus 1920 Bloomfield (Sand Banks Forest) 1920 Elizabethville (Prouse Forest) 1946 Fort William 1946 Kemptville 1948 Midhurst 1932 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1908		1958
Angus 1923 Bloomfield (Sand Banks Forest) 1920 Elizabethville (Prouse Forest) 1946 Fort William 1946 Kemptville 1946 Midhurst 1922 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1908		1956
Angus 1923 Bloomfield (Sand Banks Forest) 1920 Elizabethville (Prouse Forest) 1946 Fort William 1946 Kemptville 1946 Midhurst 1922 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1908		
Bloomfield (Sand Banks Forest) 1920	DEMONSTRATION FORESTS	
Bloomfield (Sand Banks Forest) 1920	Angus	1923
Elizabethville (Prouse Forest) 1946 Fort William 1946 Kemptville 1948 Midhurst 1922 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1908		1920
Kemptville. 1946 Midhurst 1922 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1908		1946
Midhurst 1922 Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1908		1946
Orono 1922 St. Thomas (McKay Forest) 1940 St. Williams 1908	Kemptville	1946
St. Thomas (McKay Forest) 1940 St. Williams 1908	Midhurst	1922
St. Williams	Orono	1922
	St. Thomas (McKay Forest)	
Speyside	St. Williams	
	Speyside	1942

* DISPOSITION OF NURSERY STOCK

Planted on Crown Lands	26, 602, 720
Planted in Forests Managed by the Minister	5, 063, 860
Supplied to Owners of Private Lands	11, 505, 775
Education and Scientific Purposes	12, 208
Miscellany, Departmental Exhibits, etc	7, 200
Stored at Planting Sites, etc	3, 100
TOTAL	43, 194, 863

^{*} In year ended March 31st, 1962.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912.	1,480,539
1913-1925.	13,096,866
1925-1926.	4,433,409
1926-1927.	7,104,319
1927-1928.	11,138,985
1928-1929.	12,789,568
1929-1930.	11,175,894
1930-1931.	11,846,920
1931-1932.	10,303,569
1932-1933.	9,422,463
1933-1934.	9,760,730
1934-1935.	10,663,155
1936-1937 1937-1938 1938-1939 1938-1940 1940-1941	11,261,644 12,339,993 16,921,906 17,266,697
1941-1942.	11,303,187
1942-1943.	10,522,517
1943-1944.	10,999,379
1944-1945.	11,280,981
1945-1946.	13,175,575
1946-1947.	12,269,533
1947-1948.	13,049,776
1948-1949.	17,700,970
1949-1950.	19,027,807
1951-1952.	20,749,268
1952-1953.	24,241,754
1953-1954.	23,448,860
1954-1955.	25,519,383
1955-1956. 1956-1957. 1957-1958. 1958-1959.	28,351,483 31,081,112 25,854,262 33,414,110 41,682,125
1960-1961. 1961-1962.	49, 833, 412 43, 194, 863 661, 328, 485
	001, 020, 200

TREES PLANTED ON CROWN LANDS in years ending March 31st

			The first	TO CHANGE INGT CIT	1610		
DISTRICT	1957	1958	1959	1960	1961	1962	1953-62
Aylmer	69,123	188,177	828,616	70,598	97.633	104.458	1 614 400
Chapleau	1,004,100	789,600	1,751,000	3,037,004	3.568,850	2.691,500	13 642 494
Cochrane	791,800	525,118	1,028,400	1,176,842	2.077.248	1.547.250	8 267 220
Fort Frances	535,000	629,800	675,715	555,939	993,000	418,946	3 977 200
rerald ton	224,600	363,180	623,015	1,112,500	1,816,450	1,144,650	5,454,620
бодама	330,231	400,000	1,000,250	2,875,000	3.283.400	3.695.525	8 714 477
Hespeler	64,912	40,210	19,460	7,015	53,950	15.025	301 085
Kapuskasing	526,425	461,100	884,100	1.237,600	1.308,759	1.214 400	787 787 7
Kemptville	168,088	12,192	54,505	104,967	170.077	114 406	810 202
Kenora	252,200	243,600		453,800	518,612	479,206	2.553.128
Lindsay	929,760	709,165		694 ,397		606.987	5 375 360
Maple					504 163	580 445	4 001 661
North Bay						828 806	2 052 670
Parry Sound	1,188,600		918,200			509 111	2 700 540
Pembroke	1,239,300	598,965		771,835	1,139,875	1,260,236	8.554.084
Port Arthur	783,799	1,036,628		953.600	1.960.575	1 702 275	8 073 400
Sault Ste. Marie	1,474,375			2.760,000	3.534.145	3 682 390	16 265 064
Sioux Lookout	104,000	120,000	150,000	225.796	300,000	211,700	1 200 104
Sudbury	384,050	305,217		1,643,147	2.374.314	1.840.889	7.515,711
Swastika	803,020	747,105	991,110	1,402,721	1,925,343	2,124,903	8,843,552
Tweed	938,195	486,924	882,000	1,075,653	1,268,600	938.010	6.854.796
White Kiver	73,450	209,625	455,000	1,130,000	1,575,125	699,050	4,206,785
TOLOUTO CO		5,863	23,997		0 0 0 0 0 0 0		
Kanger School	13,000	10,100	9,500	23,000			
Unclassified	0000000000	0 0 0 0 0 0 0	00000000	57,270	71,323	102,552	231,145
101AL	12,499,755	9,812,131	16,080,698	23,448,118	31,564,608	26,602,720	138,999,456
Acres Planted	•	•	•	43,137	54,875		

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

CONSERVATION AUTHORITY	1957	1958	1959	1960	1961	1962	1953-62
Ancable River	100,675	159,900	93,000	284,200	254,360	270,500	1,409,885
Big Creek Region.	66,000	20,600	14,000	25,800	22,600	23,500	240,975
Ganaraska River.	165,600	209,000	190,250	257,950	376,500	273,500	2,530,780
Grand Vallev	221,000	193,050	388,600	230,950	502,250	392,400	2,111,750
Toronto & Region.	128,800	44.700	73,000	22,000	139,750	120,300	929,025
Middle Waitland	13,925	37,800	14,000	20,000	62,500	13,000	173,005
Moira River	74,000	99,400	100,000	96,200	175,200	242,500	798,745
Nananee Valley						• • • • • •	20,000
Neehing Valley			1,500	11,500	000,09	80,000	153,000
North Grey Region.			75,000	94,800	169,000	214,700	553,500
Otter Creek				3,200	13,000	000'9	22,200
Sample Valleviers					94,000	000.6	103,000
Saugeen Vallev	198.950	100,000	287,600	200,300	137,500	423,600	1,720,750
South Nation River						125,000	125,000
Upper Thames River	159,350	56,000	71,850	21,600	20,600	70,100	681,650
1	1,128,300	920,450	1,308,800	1,268,500	2,027,260	2,263,900	11,772,865
TOWNSHIP							
Bonfield	•	•			•	•	62,500
Chapple	•	•	10,175	41,200	•		51,375
Charlottenburgh	10,250		• • • • • • • • • • • • • • • • • • • •		25,000		35,250
Cumberland	25,000	25,000		•	• • • • • • •		129,000
Emo			9,725	• • • • • • • • • • • • • • • • • • • •			9,725
Galway Cavendish				18,775	12,025	• • • • • • •	95,775
Marihorough	88 950	58 900		27,000	4,475	17,000	311,275
Torbolton	60,375	32,000	10,000	20,500		20,500	532,125
SUB-TOTAL	184,575	115,900	29,900	137,475	41,500	67,500	1,239,050
National Capital Commission		•	•	:	•	150,000	150,060

	11,450 1,343,900 120,900 1,859,549 212,950 543,830	26,200 300,025 1,829,750 177,225 174,300	1,236,513 263,850 174,350 9,077,786 559,100 3,238,525	910,025 964,297 334,350 714,400 514,050	37,770,540	176,769,996
	140,700 3,000 213,300 38,700 88,510	34,350 146,700 20,500 20,500	136,200 100,600 25,100 239,500 380,000 433,000	196,500 219,250 7,250 12,000 126,800	2,582,460 5,063,860	31,666,580
	99,000 1,500 40,500 4,500 85,700	102,000 102,000 12,800 8,000	94,500 12,000 44,000 767,600 193,500	105,000 85,475 55,700 74,250	1,997,025	6,739 35,630,393 61,614
	87,000 33,500 182,799 26,500 72,000	336,000	61,050 84,500 27,000 1,093,930	66,000 138,225 95,000 18,500	2,708,154	5,882 27,562,247 49,019
	70,700 10,000 184,200 14,000	225,300	96,750 9,000 8,000 1,132,590 18,000 499,200	193,000 19,500 127,600 1,000	2,770,940	20,190,338
	70,000 1,500 232,500 12,800 59,000	195,600	66,000 17,100 956,613 24,000 333,400	10,000 129,247 13,500 86,500 23,200	3,267,310	13,079,441
	11,450 136,050 10,000 276,500 36,700 10,000	10,000 35,925 228,650 60,000 7,000	20,000 26,600 1,125,108 30,000 349,950	34,500 14,600 113,200 86,800 108,200	2,731,233	16,543,863
TIMOGO	Brant. Bruce. Dufferin Grey. Halton	Lanark Leads & Grenville. Lennox & Addington Middlesex	and Durhem Ontario Oxford Prescott & Russell Simcoe Stormont. Dundse	and Glengarry Victoria Waterloo Wentworth	SUB-TOTAL	ACRES PLANTED Department Totals TREES PLANTED ACRES PLANTED

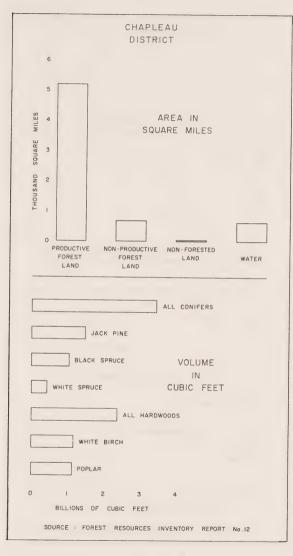
TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

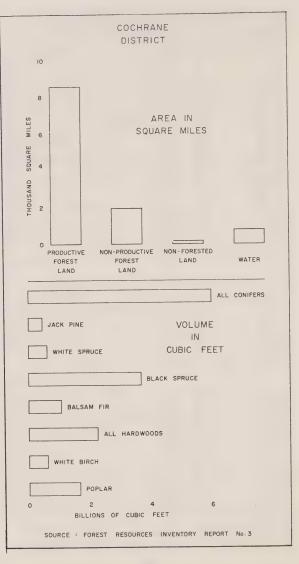
1953-62	2,574,550	6,237,750	933,975	1,273,700	882,975
	1,415,625	426,425	363,725	2,086,025	1,302,025
	1,476,640	8,984,000	963,075	3,192,850	1,520,175
	1,415,650	1,607,950	5,472,655	2,435,045	705,125
	190,050	453,475	634,450	130,075	901,825
31	RI HI	9 8 1	ıo	1987	
1962	221,525	425,725	146,325	139,450	49,675
	130,050	58,875	75,525	148,625	134,225
	148,575	257,675	189,800	305,900	125,400
	290,925	96,225	365,625	201,250	105,250
	59,350	26,300	106,725	34,850	96,325
1961	281,950	877,600	138,200	119,050	75,650
	140,425	86,425	78,900	241,125	134,175
	156,400	544,475	217,575	433,125	179,625
	145,125	220,425	710,825	276,025	123,050
	54,550	56,325	111,625	13,975	92,825
1960	426,425	471,000	171,025	147,300	105,825
	161,450	52,925	43,400	200,200	161,375
	143,050	729,450	133,925	446,000	212,825
	148,275	146,875	753,825	250,750	93,900
	17,800	73,300	84,025	8,625	172,325
1959	387,525	784,725	117,925	166,200	108,600
	120,350	24,050	86,675	209,175	1111,000
	165,675	692,400	79,550	327,725	203,800
	180,500	117,275	695,150	256,850	74,050
	8,200	44,500	50,425	12,950	120,750
1958	316,525	594,375	76,500	174,525	70,575
	105,775	43,225	12,825	150,650	118,950
	162,100	1,078,025	62,650	301,425	178,950
	157,175	125,775	590,375	252,175	44,900
	8,200	34,650	25,000	8,100	126,400
1957	239,350 243,950 121,625 106,425 11,600	1,191,975 36,800 1,294,825 216,650 40,525	77,475 15,025 56,700 569,955 52,725	162,825 164,700 498,500 282,000 13,850	119,175 113,475 146,775 48,300
COUNTY OR DISTRICT	AlgomaBrant	Dufferin Dundas Burham Elgin	Frontenac	Haliburton Halton Hastings Huron	Kent

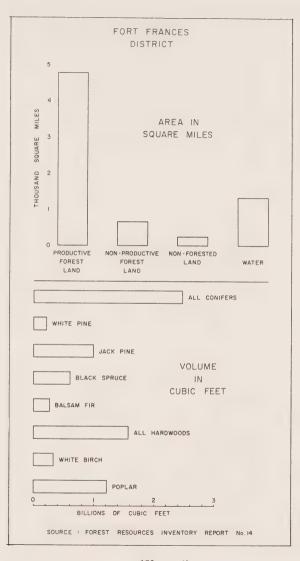
470,850 1,052,525 2,118,025 4,426,750 1,405,575	2,536,700 3,170,150 5,200,700 1,482,925 6,406,400	3,749,400 849,425 1,814,315 1,390,950 219,700	690,250 3,066,325 594,000 14,649,220 305,975	1,019,050 2,091,075 228,750 1,709,900 2,020,500	1,292,075 3,987,575 2,486,125 6,319,330	123,956,330
79,150 68,600 494,425 271,775 90,975	289,150 354,675 468,675 146,750 339,300	602,925 46,625 128,675 221,025 37,325	146,000 458,150 78,700 821,350 51,375	121,875 315,975 28,075 138,450 181,650	227,275 299,850 257,825 799,000	11,505,775
28,925 50,375 301,125 288,150 91,175	317,125 255,550 652,550 119,625 450,600	414,050 53,550 123,700 747,025 51,525	140,425 389,875 165,875 1,085,925 115,225	169,700 271,075 17,700 129,800 176,975	134,175 224,800 315,700 916,300	13,708,050
57,025 61,325 147,100 483,475 149,250	312,200 317,650 675,075 146,925 556,375	353,275 157,150 162,725 75,500 21,350	179,700 386,675 150,400 1,444,225 29,800	111,425 254,850 23,450 168,175 248,525	138,550 525,100 348,650 785,325	13,809,125
71,900 59,700 174,450 422,375 139,800	282,775 279,650 548,225 179,450 722,275	510,475 81,850 196,690 93,300 18,600	154,925 346,875 38,825 1,312,420 19,250	182,200 240,200 9,300 130,075 258,825	131,350 339,550 263,925 638,005	12,986,865
32,800 151,300 135,825 511,700 205,975	287,100 269,275 528,075 102,700 771,325	349,175 47,500 212,250 53,800 9,675	20,100 324,100 54,150 1,710,525 9,000	89,250 175,850 47,525 188,974 196,075	93,375 485,950 198,650 441,275	12,523,099
48,350 309,650 237,650 564,575 159,200	281,550 388,075 510,475 127,000 909,600	320,275 133,550 241,425 78,275 17,975	36,250 264,200 47,125 1,755,850 12,000	80,875 99,525 42,050 176,275 262,500	109,250 306,250 281,325 691,825	14,421,330
Lincoln	Northumberland Ontario Oxford Parry Sound	Perth Peterborough Prescott	Rainy River Russell Simcoe	Sudbury Thunder Bay Timiskaming Victoria	Welland Wellington Wentworth	TOTAL

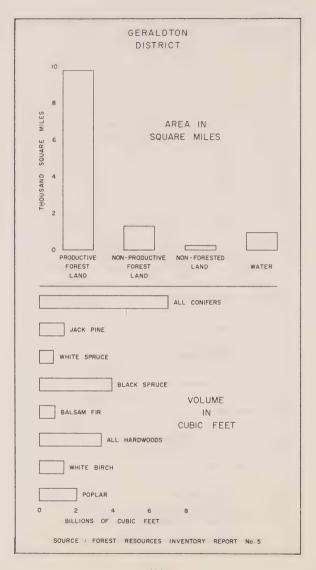
FOREST AREAS MANAGED BY THE MINISTER

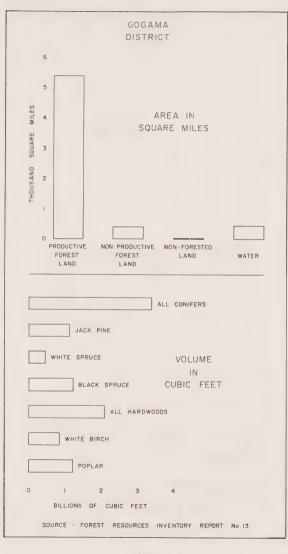
	Date of	Acreage March 31st
COUNTY	Agreement	1962
3rant	15 Nov., 1952	50.00
Bruce	20 Jan., 1950	14, 656. 35
Oufferin	26 Nov., 1930	2, 042.00
Grey	21 Dec., 1937	7, 183. 08
Halton	14 Mar., 1950	1, 245. 63
furon	27 Nov., 1950	1, 339.00
Cent	23 Dec., 1953	76.97
anark	5 July, 1940	2, 656.00
eeds & Grenville	24 April, 1940	5, 625. 50
ennox & Addington	3 April, 1952	786, 00
Middlesex	8 Mar., 1954	280.00
Torthumberland & Durham	10 June, 1954	4, 877. 00
Ontario	9 July, 1930	1, 900. 00
Oxford	1 Sept., 1950	716, 56
Prescott & Russell	15 Mar., 1937	23, 485, 83
Renfrew	26 Dec., 1951	1,713.00
Simcoe	19 June, 1925	16, 135. 69
Stormont, Dundas & Glengarry.	29 Sept., 1949	1, 524. 45
lictoria	10 Aug., 1928	7, 044. 00
Waterloo	17 April, 1950	710.48
Wentworth	27 Nov., 1952	889.30
York	27 Mar., 1924	3, 772. 08
Ork	2,	
Sub-Total		98, 708. 93
TOWNSHIP		
Bonfield	1 April, 1952	60.00
Charlottenburgh	1 April, 1955	175.00
Cumberland	29 May, 1952	808.44
Galway and Cavendish	1 Nov., 1952	100.00
Marlborough	21 Sept., 1953	200.00
Torbolton	28 Mar., 1953	430.8
Sub-Total		1,774.24
CONSERVATION AUTHORITY		
Ausable River	13 Dec., 1951	3, 770. 0
Big Creek Region	2 Dec., 1954	2, 202. 4
Ganaraska River	31 Jan., 1947	7, 606. 6
Grand Valley	18 Mar., 1952	4, 644. 6
Metropolitan Toronto & Region.	11 April, 1951	466.0
Middle Maitland Valley	1 April, 1955	1, 672. 0
Moira River	28 Nov., 1951	9, 815. 0
Napanee Valley	28 Oct., 1954	5, 469. 0
Neebing Valley	15 May, 1958	1, 030. 7
North Grey Region	25 June, 1958	3, 513. 0
Otter Creek	26 April, 1957	819.0
Sauble Valley	23 Sept., 1959	1, 580. 0
Saugeen Valley	15 Dec., 1952	9, 702. 0
South Nation River	28 Mar., 1960	140.0
Upper Thames River	11 April, 1951	3, 249. 5
Sub-Total		55, 679. 9

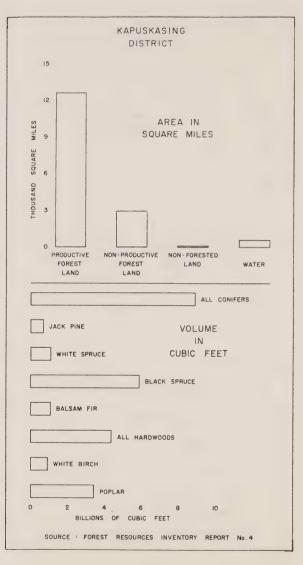


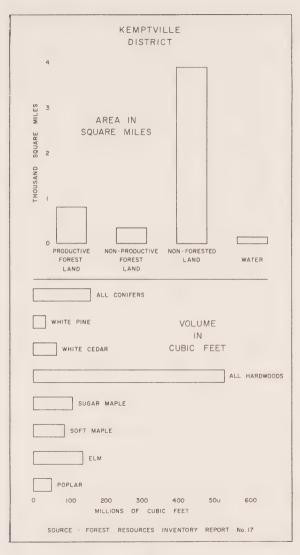


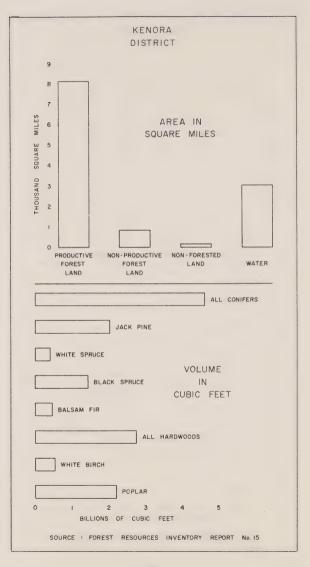


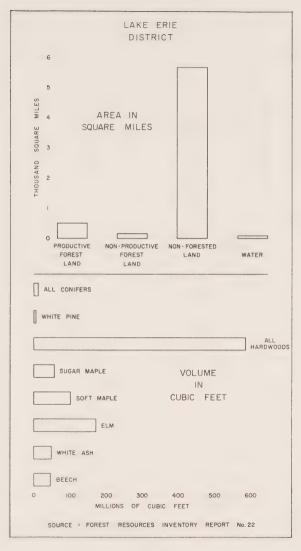


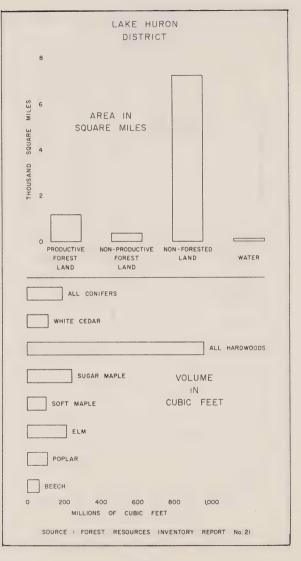




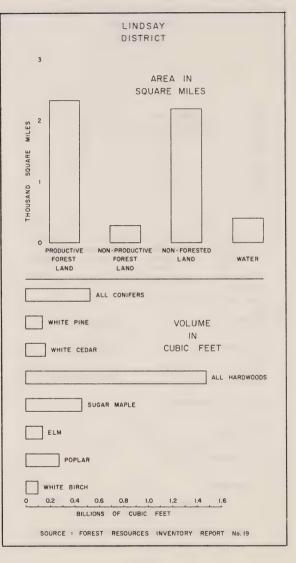


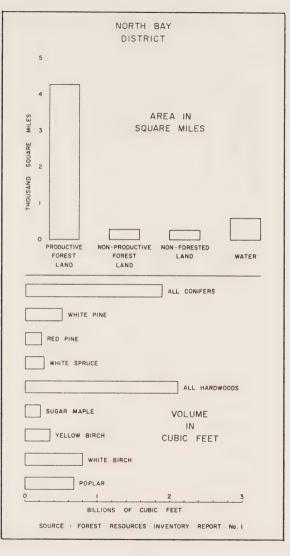


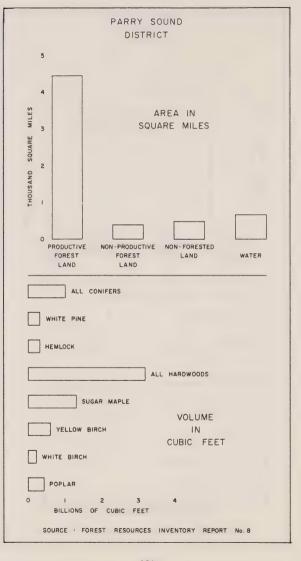


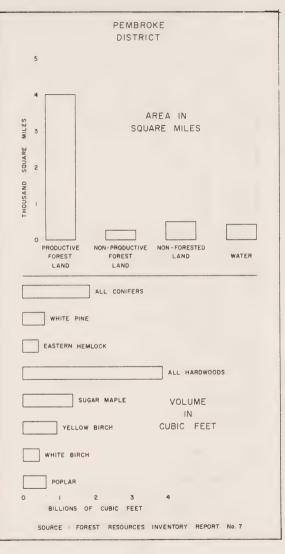


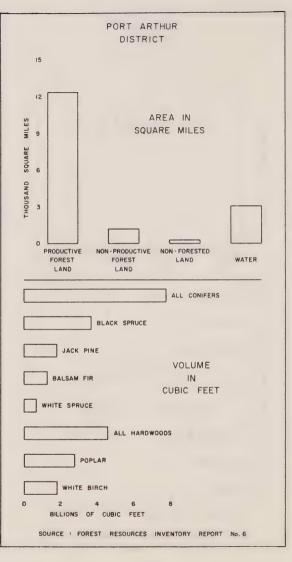
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	ALL HARDWOODS
SUGAR MAPLE	
ELM	
POPLAR	
SOFT MAPLE	
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SOURCE : FOREST RESOURCES INV	
SOUNCE . FOREST RESOURCES INV	PERIONI REPORT NO. 20

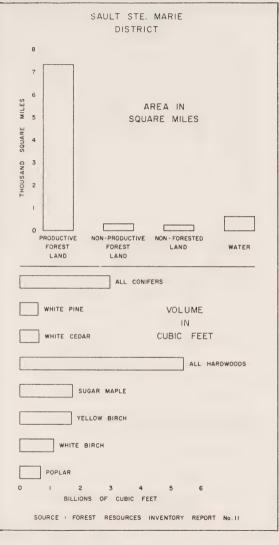


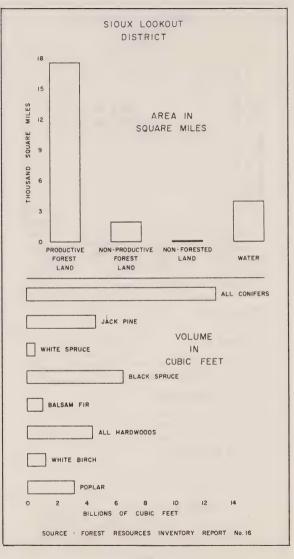


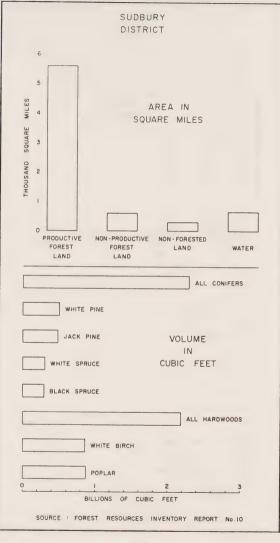


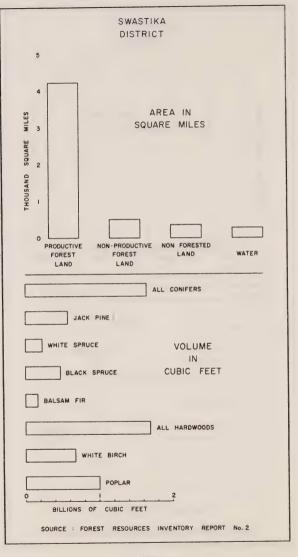


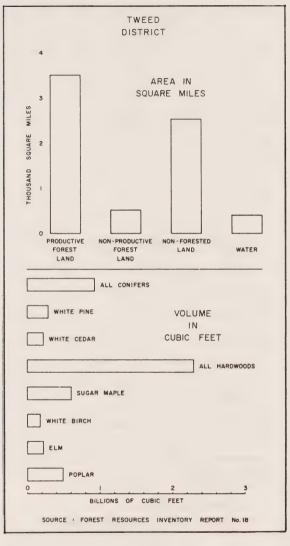


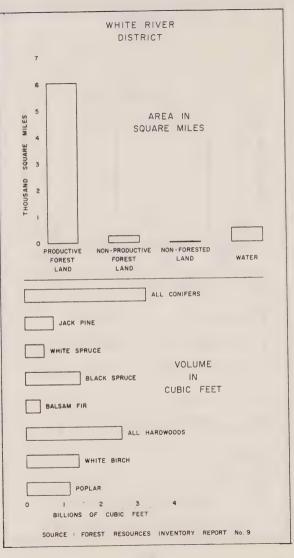




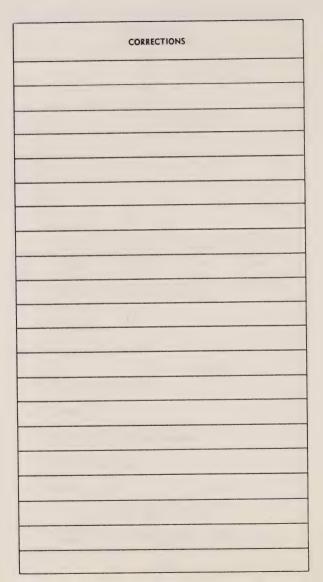








NEW POLICIES



COMMITTEES

	COMMITTELS
BRANCHES	Assisted by Head Office Personnel
Accounts	Departmental Accountants, Intario Municipal Taxation, or Grints
Conservation	
Authorities	Advisory Committee to Ontario
	Research Foundation
	Conservation Council of Ontario Rep,
	Ont. Professional Foresters
	Pollution Committee
	Fish & Wildlife Committee
	Technical Sub-Committee to Historic
	Sites Advisory Board (Metro Toronto)
	Archaeological and Historic Sites
	Advisory Board (Dept of Travel & Publicity)
	Advisory Committee of Upper Canada Village (Ont-St. Lawrence)
	Advisory Committee on Fish & Wildlife
	Research, Ont. Research Foundation
	Advisory Committee on Water and
	Pollution, Ont. Water Resources
	Cmsn
	Parks Committee of Federation of
	Ontario Naturalists
Fish and Wildlife	Advisory Committee on Fisheries and
	Wildlife Research, Ontario Research Foundation
	Water and Pollution Advisory
	Committee of Ont. Water Resources Commission
	Fur Management Agreement Committee (Federal-Provincial)
	Administrative Caribou Committee
	(Fed-Prov Wildlife Conference)
	Technical Caribou Committee
	(Fed-Prov Wildlife Conference)
	Sub-Committee on Gear Development
	(Fed-Prov Committee, Ont. Fisherie Special Committee on Lake Trout
	Rehab. (Great Lakes Fishery Comm.
	Intl.)
	Scientific Advisory Committee (Great Lakes Fishery Commission, Intl.)
	Working Committee on Whitefish
	Inspection (State-Provincial)
	Lake Ontario Fish Management
	Committee (State-Provincial)
	Resolutions Committee, Association of
	Midwest Fish and Game
	Commissioners

Fish and Wildlife Mississippi Flyway Council Canada Goose Committee (Miss

Canada Goose Committee (Miss. Fly. Cncl.)

Midwest Pheasant Council Wildlife Conservation Planning

Committee (International Association of Game, Fish and Conservation Commissioners)

Research Committee (I. A. G. F. C. C.) Scientific Advisory Board to Ontario Waterfowl Research Foundation

Committee to study the question of Professionalism (Canadian Society of Wildlife and Fishery Biologists)

Fish and Wildlife Advisory Committee to Ontario-St. Lawrence Devlopment Committee

Atlantic Flyway Council

Forest Protection..... Associate Committee on Forest Fire

Protection, Nat. Research Council Forest Fire Prevention Comt., O. F. A. Forests Comt., Nat. Fire Prot. Assoc. Canadian Government Standards Board (Committee on Forest Fire Hose)

Canadian Standards Association
(Committee on Forest Fire Hose)

Lands and Surveys Mining and Access Roads Committee
Canadian Board on Geographical Names

Ottawa River Engineering Board Association of Ontario Land Surveyors, Board of Examiners

Water Front Technical Committee
under Metropolitan-Toronto Planning

Board Lake of the Woods Control Board Conservation Council of Ontario

Conservation Council of Ontario Canadian Institute of Forestry

Operations Canadian Public Relations Society (Seminars Committee on Management)

(Programme Committee)
Resources for Tomorrow Conference
(Publicity Committee)

(Publicity Committee)
International Rescue and First Aid

Association
American Association for Conservation

Information Editorial Committee, Young Naturalists

Parks Ontario Parks Integration Board
Parks Committee, Ont. Cons. Council

Personnel... Personnel Council of Ont Civil Service Public Personnel Association, Metro Toronto Chapter Business Management Association of Ontario, Michigan, Wisconsin, Minnesota, Missouri Research .. Ontario Research Foundation (Advisory Comt. on Res. in Forestry)(Advisory Comt. on Fish & Wildlife) (Technical Sessions) Department of Forestry (Canada-Ontario Advisory Committee on Forest Research) (Advisory Committee on Forest Entomology and Pathology) Great Lakes Fishery Commission (Advisory Committee) (Scientific Advisory Committee) (Sub-Comt on Lake Trout Rehabilitation) (Canadian Section) Pulp and Paper Research Institute (Steering Group, R. C. 17) Committee for Ornamentals of Ontario, Horticultural Research, Royal Botanical Gardens, Hamilton Site Evaluation Committee, North Eastern Forest Tree Improvement Conference Committee on Correlation of Soil and Site, Ontario Agricultural College Federal-Provincial Great Lakes Research Comt - Dept. of Fisheries (Can) Maple Laboratory for Experimental Limnology - U. of Toronto Lake Ontario Fisheries Management Committee - Ontario - New York Sports Fish Committee, Lake Ontario Lake Erie Fish Management Committee Ont. Council of Commercial Fishermen Lake Erie Council of Commercial Fishermen Upper Great Lakes Fishery Connaittee, Midwest Wildlife Conference American Fisheries Society Great Lakes Institute - U. of Toronto Canada Committee on Freshwater Fisheries Research Ontario Waterfowl Research Foundation

175

Fur Advisory Meetings

(Scientific Advisory Committee)
Great Lakes Deer Group

North American Wildlife Conference

Timber	Canadian Institute of Forestry
	(Committee on Surveys)
	Committee on Photo Interpretation,
	American Society of Photogrammetry
	Public Liaison Committee - Agriculture
	and Lands and Forests
	Dominion-Provincial Entomology
	Pathology Committee
	Dominion-Provincial Forest Research
	Committee
	Agricultural Meteorological Assn.

	Dominion-Provincial Forest Research				
	Committee Agricultural Meteorological Assn.				
	COMMITTEES				
FIELD OFFICES	Assisted by Field Office Personnel				
Chapleau	Recreational Planning Committee				
Fort Frances	Recreational Planning Committee				
Kemptville	Ont-St. Lawrence Advisory Commission (Fish & Wildlife Advisory Comt) Ontario Forestry Association				
Aylmer West	Midwest Pheasant Council				
Maple	Reforestation Committee - on County Councils of Simcoe, Dufferin and York Conservation Education Sub-Committee, York County Council Private Lands Liaison Committee Public Agriculture Lands Committee				
Lindsay	Reforestation Committees of Victoria County and Northumberland and Durham Counties (United)				
North Bay	. Recreational Planning Committee				
Port Arthur	. Forestry Committee, Lakehead College of Arts, Science and Technology Thunder Bay Fish and Game Assn. Lakehead Campers Assn. Committee				
Sudbury	. Great Lakes Fishery Commission Manitoulin Island Conservation Advisory Committee				
Swastika	. Canadian Institute of Forestry, Access Roads Committee				
Tweed	. Joint Commercial and Sports Fish Committee for Bay of Quinte Bay of Quinte Sports Fishery Comt.				

AREA AND POPULATION BY PROVINCES populations in 000°s

103,	ries, 1,304,8	** Yukon, 207,076 sq. mi., organized June 13, 1888; North West Territories, 1,304,903, reconstituted September 1, 1905.	i, 1898; North	nized June 13 05.	Yukon, 207,076 sq. ml., organi reconstituted September 1, 1905	n, 207,076 s	** Yuko	* Official estimate at March 1st.
18,08	14,009	11,506	10,376	8,787	7,206	4,833	3,689	CANADA3,845,774
36	25	16	13	12	15	86	48	Territories **
1,63]	1,165	817	694	524	392	86	36	British Columbia366,255 July 20, 1871
1,31	939	796	731	588	374	•	•	Alberta
91.	831	895	921	757	492	•	•	Saskatchewan251,700 Sept. 1, 1905
06	276	729	200	610	461	152	25	Manitoba246,512 July 15, 1870
468	361	•	0 0 0 0	•	•	•	•	Newfoundland155,364 Mar. 31, 1949
10	86	95	80 80	80	93	109	94	P.E.I. 2,184
09	515	457	408	387	351	321	285	New Brunswick 27,985 July 1, 1867
73	642	277	512	523	492	450	387	Nova Scotia 21,068 July 1, 1867
5,19	4,055	3,331	2,874	2,360	2,005	1,488	1,191	Quebec594,860 July 1, 1867
6,17	4,597	3,787	3,431	2,933	2,527	2,114	1,620	Ontario
*1961	1921	1941	1931	1921	1911	1891	1871	ProvinceArea in Sq. Mi. Date entered Confederation

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established.
 First Commissioner of Crown Lands appointed. SurveyorGeneral of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department establisted to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.
 Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created,
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers -17 on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E.J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established. Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region). The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management begain in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private landowners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

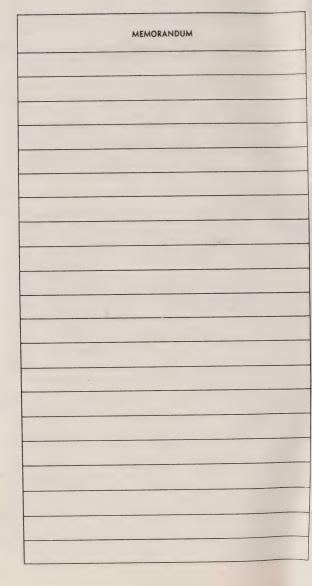
The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised. Silviculture becomes the third Branch in Division of Timber.
- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.
- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

MEMORANDUM
MEMORANDUM



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A

Covernment.

STATISTICAL REFERENCE OF

ADMINISTRATION



ARTMENT OF LANDS AND FORESTS

KELSO ROBERTS, Q.C.

F. A. MACDOUGALL
Deputy Minister



Covernment.

STATISTICAL REFERENCE OF ANDS AND FORESTS **ADMINISTRATION** 1964

OPERATIONS BRANCH



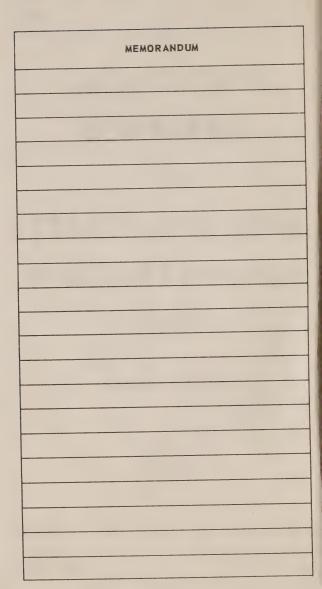
ONTARIO

PARTMENT OF LANDS AND FORESTS

N. A. KELSO ROBERTS, O.C.

ister

F. A. MACDOUGALL **Deputy Minister**



INDEX	PA	G	E
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Foreword Premiers of Ontario since Confederation Commissioners and Ministers since 1827 Deputy Ministers since Confederation ACCOUNTS BRANCH	1 2 3 4
Revenue and Expenditures	7
CONSERVATION AUTHORITIES BRANCH	13 15 19
FISH AND WILDLIFE BRANCH. Fur Returns by Game Management Districts Pelts, Value and Revenue Bounties Paid Breeding Stock on Fur Farms Pheasants, Hunting Preserves and Farms Licences Sold, Hunting and Angling Prosecutions, Fines, etc. Fish Hatchery Distribution Commercial Fishing Equipment. Yield of Fisheries by Species and Waters Hunter Safety, Training and Accidents	23 25 26 28 29 30 32 34 35 39 40
FOREST PROTECTION BRANCH Forest Fire Statistics Forest Protection Permits Major Equipment Air Service Statistics Air Base Opening Dates Radio Stations	49 53 58 59 61 64 67
LANDS AND SURVEYS BRANCH Lithographed Maps Disposition of Land by Patent Summer Resort Lands Agricultural Land Sales Free Grant Land. Land Use Permits Wildemess Areas	71 77 78 80 81 82 83
LAW BRANCH	89 89 96
OPERATIONS BRANCH Lectures and Attendance Information and Education Services Publications	105 108 109

PAGE

PARKS BRANCH. Attendance at Parks and Programmes Provincial Parks (by Districts). Provincial Park Reserve Areas. PERSONNEL BRANCH Number of Employees Junior Rangers Summary of Classifications Supervisory Personnel.	111 113 114 118 119 120 122 124 125
Administrative Districts	126 128 139
RESEARCH BRANCH	141
TIMBER BRANCH Reforestation Section Reforestation Establishments Tree Nursery Productuon Trees Supplied to Private Lands. Silviculture Section Management Units Stand Improvement. Trees Planted on Crown Lands Trees Planted on Managed Forests Forest Areas Managed by the Minister Timber Section Licences Timber and Mills Wood Cut Volume and Value	145 147 148 149 150 152 155 156 157 158 160 162 163 164
FOREST RESOURCES, District Inventory Charts	169
COMMITTEES	191
POPULATIONS and Areas of Provinces	198
HISTORICAL HIGHLIGHTS	199

FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1963 season and are subject to correction in the Annual Report for the year ending March 31st, 1964.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	F	rom			То	
Hon. John Sandfield						
Macdonald	July	16.	1867	Dec.	19,	1871
Hon. E. Blake	Dec.	20,	1871	Oct.	25,	1872
Hon. Sir Oliver Mowat	Oct.			July	9,	1896
Hon. A.S. Hardy	July			Oct.	17,	1899
Hon. George W. Ross	Oct.			Feb.		
Hon. Sir J.P. Whitney	Feb.			Sept.	25,	1914
Hon. Sir Wm. Howard		,				
Hearst	Oct.	2.	1914	Nov.	14,	1919
Hon. Ernest Chas. Drury	Nov.			July	16,	1923
Hon. G.H. Ferguson	July			Dec.	15,	1930
Hon. G.S. Henry	Dec.			July		
Hon. Mitchell F. Hepburn			1934	Aug.		1942
Hon. G.D. Conant			1942	May		1943
Hon. H.C. Nixon			1943	Aug.		
Hon. George A. Drew	Aug.			Oct.		
Hon. Thomas L. Kennedy	Oct.			May		
Hon. Leslie M. Frost	May			Nov.		
Hon, John P. Robarts	Nov.					

FFFFFFF

COMMISSIONERS AND MINISTERS SINCE 1827

		Fro	m		To	
Hon. Peter Robinson	July	17	, 1827	July	1.4	1836
Hon. R.B. Sullivan	July		, 1836	June		
Hon. John Davidson			, 1841	Oct.		1841 1842
Hon. A.N. Morin	Oct.		, 1842	Dec.		
Hon. D.B. Papineau			, 1844	Dec.		
	Бере	. 0	, 1011	Dec.	٠,	1041
Sir John A. MacDonald			1847	Mar.		
Hon. J.H. Price			, 1848	Oct.		
Hon. John Rolph	Oct.		1851	Aug.	17,	1853
Hon. Louis V. Sicotte	Aug.		1853	Aug.		
Hon. A.N. Morin	Aug.	31,	1853	Jan.	26,	1855
Hon. Jos. Cauchon	Jan.	27.	1855	Anri	30	1857
Sir E.P. Tache	June		1857			1857
Hon. Louis V. Sicotte	Nov.	25.	1857			1858
Sir. A.A. Dorion	Aug.	2,	1858	Aug.	6.	1858
Hon. P.M. Vankoughnet .	Aug.	7.	1858	Mar.	18.	1862
					,	
Hon. George Sherwood	Mar.			May	23,	1862
Hon. Wm. McDougall	May		1862	Mar.	29,	1864
Sir Alex. Campbell	Mar.			June		1867
Hon. Stephen Richards	July			July	25,	1871
Sir Matthew C. Cameron.	July	25,	1871	Dec.	21,	1871
Sir Richard W. Scott	Dec.	21,	1871	Nov.	30	1873
Hon. Timothy B. Pardee.	Dec.	4,		Jan.		1889
Hon. Arthur S. Hardy	Jan.	19,	1889	July		1896
Sir John M. Gibson	July	21,		Oct.	21,	1899
Hon. E.J. Davis	Oct.	21,		Nov.	22,	1904
		,		1404.	22,	1001
Hon. A.G. McKay	Nov.	22,	1904	Feb.	8.	1905
Hon. J.J. Foy	Feb.	8,	1905	May	13,	1905
Hon. F. Cochrane	May	13,	1905	Oct.	11,	1911
Sir William Hearst	Oct.	12,	1911	Dec.	22,	1914
Hon. G.H. Ferguson	Dec.	22,	1914	Nov.	13,	1919
Hon. B. Bowman	Nov.	14	1919	July	11,	1923
Hon. Jas. Lyons	July		1923	Feb.	28,	1926
Hon. G.H. Ferguson	Feb.	28,	1926	Oct.		1926
Hon. Wm. Finlayson	Oct.	18,	1926	July	10,	1934
Hon. Peter Heenan	July		1934	May	27,	1941
		,		21243	2,,	1011
Hon. N.O. Hipel	May		1941	Aug.	17,	1943
Hon. W.G. Thompson	Aug.		1943	Nov.	28,	1946
Hon. H.R. Scott	Nov.	28,	1946			1952
Hon. W.S. Gemmell	June					1954
Hon. C.E. Mapledoram	July	7,	1954	July		1958
Hon. J.W. Spooner	Tuly	22	1050	Ont	25	1000
Hon. A. Kelso Roberts, Q. C.	July		1958	Oct.	40,	1962
non. A. Keisu Ruberts, Q. C.	Oct.	40,	1962			

DEPUTY MINISTERS SINCE CONFEDERATION

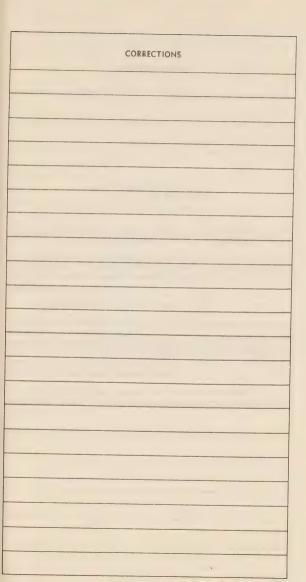
ANDREW RUSSELL	186
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941

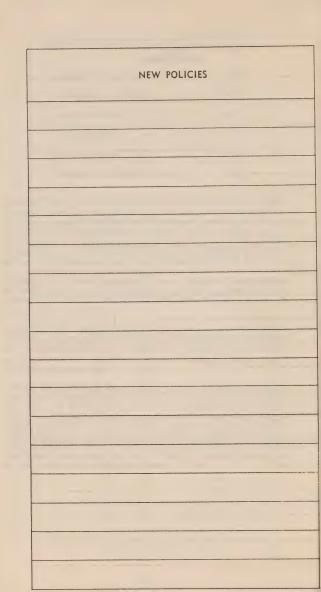
AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.





ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R.R. MacBean was appointed Chief on January 1st. 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R.R. MacBean

Assistant Chief: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts, Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

	BALANCE	\$2,957,895.45 3,082,281.74	3,666,557.18 3,468,357.48 3,083,791.53 6-2,934,435.09	3,149,885.28 4,949,208.31 10,006,812.65 6,559,176.49	2,874,285,45 5,023,761.56 3,666,297.69 d-4,189,790.28 d-4,585,644.98	23,277,048.30 d-1,620,651.24 28.020,094.02 d-6,014,690.56 28,514,067.40 d-5,940,207.05
	Total	\$4,075,717.88 3,615,425.82 4,210,990.42	4,848,055.80 7,159,790.41 7,598,611.94 11,400,801.97 14,536,859.74	13,167,618.35 12,878,388.94 13,141,062.48 13,408,258.47 12,895,318.42	17,276,820.88 16,225,613.75 19,014,132.75 24,427,298.03 24,020,923.72	23.277,048.30 28.020.094.02 28,514,067.40
The same of the sa	CASH DISBURSEMENTS Capital	\$ 3,029.42 4,574.92 341.95	8,234.30 116,523.23 	3,326,822.18 2,196,671.93 1,654,781.54m 800,000.00 178,810.09	128,297.23 187,935.36 280,550.13 4,167,468.40p 991,022.60	234,988.32 1,413,973.51c 2,934,927.69c
(Ordinary	\$ 4,072,688.46 3,610,850.90 4,210,648.47	4,839,821.50 7,043,267.18 7,598,611.94 11,400,801.97 9,913,520.62	9,840,796.17 10,681,717.01 11,486,280.94 12,608,258.47 12,716,508.33	17,148,523.65 16,037,678.39 18,733,582.62 20,259,829.63 23,029,901.12p	23,042,059.98 26,606,120.51 25,579,139.71
	Total	\$7,033,613.33 6,697,707.56 6,591,478.98	8,514,612.98 10,628,147.89 10,682,403.47 11,635,237.06 11,602,255.69	16,317,503.63 17,827,597.25 23,147,875.13 19,967,434.96 19,325,785.05	20, 151, 106.33 21, 249, 375.31 22, 680, 430.44 20, 237, 507.75 19, 435, 278.74	21,656,397.06 22,005,403.46 22,573,860.35
CASH RECEIPTS	Capital	\$ 69,275.28 130,524.24 155,219.01	193,061.14 261,865.96 215,151.77 215,884.90 677,603.32	5,351,437.91 3,222,682.07 2,513,325.57m 1,810,672.96 178,810.09	328,056.86 367,501.40 490,717.96 725,375.25 807,860.60	844,686.28 644,158.52 721,351.77
	Ordinary	\$6,964,338.05 6,567,183.22 6,436,259.97	8,321,551.84 10,366,281.93 10,467,251.70 111,419,352.16 10,924,652.37	10,966,065.72 14,604,915.18 20,634,549.56 18,156,762.00 19,146,974.96	19,823,049.47 20,881,873.91 22,189,712.48 19,512,132.50w 18,627,418.14w	20,811,710.78 21,361,244.94 21,852,508.58w
YEAR		1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 - 1960	1961 1962 1963

c- Grants to Conservation Authorities. d- Operating deficit. m- Mississagi salvage project,

^{*}Years to 1947 include former Department of Game and Fisheries. Water Power revenue transferred to Treasury Department in 1959. p- Park improvements. w- Cut back in woods operations.

TIMBER SECTION REVENUE in years ending March 31st

Total	\$ 4,982,281 4,561,733 4,241,581	5,554,781 6,944,104 6,855,031 7,332,290 6,789,235	6,461,103 9,500,865 15,117,701 11,396,460 11,927,678	12,706,730 13,556,568 14,431,008 12,520,000 11,565,322	13,092,417 13,406,345 12,617,400
Misc.	15,364	13,240 17,651 178,302 14,744 15,704	13,777 24,631 22,361 23,211 17,673	10,000 16,583 20,414 19,893 26,869	32,041 14,660 26,661
Cash Deposits and Refunds	66,234	59,004 164,784 130,506* 29,195	53,743 26,954 77,859 14,373* 53,919	18,024 34,762 45,844 51,833	38,664° 21,102 7,969*
Fire	436,395	419,323 461,164 456,444 440,011 485,313	1,007.662 1,010,554 1,175,776 1,052,635 945,953	971,517 1,091,659 1,041,837 1,085,027 1,057,804	1,035,464 1,085,269 1,096,639
Ground	117,396	115,299 125,061 126,875 108,934 112,139	116,642 114,197 123,366 79,832 76,019	76,234 80,786 81,098 84,468 82,258	80,488 83,074 83,903
Crown	3,606,192	4,947,915 6,175,444 6,093,410 6,899,107 6,146,884	5,269,279 8,324,529 13,718,339 10,225,145 10,834,114	11,667,003 12,332,778 13,333,503 11,382,45w 10,381,470w	11,983,088 12,202,240 11,418,166w
Year	1943	1946 1947 1948 1949	8 1951 1951 1953 1954	1956 1957 1958 1959	1961 1962 1963

*Refunds in excess of deposits. w- Cut back in woods operations.

	786	731 911 661 876 518	752 945 735 256	714 827 824 207	111
Total	55,7		7,000		18,111 54,516 24,797
	\$1 955, 969, 1,186,	1,642 2,240 2,420 2,813 774	3,065	4,154 4,205 4,434 4,439 4,622	4,848, 5,054, 5,324,
Misc.	433	743 774 107 858	429 082 256 953 882	733 108 171 392 303	94,979 110,723 110,406
×	85, 97, 110,	153 155 128 119	117, 117, 132, 128,	121 120 126 107	110,
Trapping	635 286 562	768 139 514 171 171	664 664 8604 8005 8005	052 952 800 276 001	484 082 265
Tra	161 195 247	277, 274, 206, 328, 293,	341,	317, 272, 277, 268,	244.
+	•			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1414(4
rcial ing nces	,507 ,143 ,819	105 473 705 597 344	688 255 116 427 064	944 447 634 861 260	523
Commercial Fishing + Licences	\$ 84,5 103,1 99,8	110	121, 135, 140,	128	110,168 111,552 114,461
S +	•				
ph co	264 685 073	321 866 904 501 180	775 746 892 074 668	336 761 977 425 612	611
Angling	306,2 288,0 412,0	605,3 1,000,8 1,156,9 1,450,1	1,637,7 1,868,7 1,949,8 1,204,6	279 3 431 9 337 4 399 6	2,435,6 2,527,2 2,608,5
E A	49	00464	28004	uuuuu	400
Non-Res, Hunting Licences	,245 ,450 ,590	,855 ,887 ,790 ,705	,490 ,255 ,366 ,643	979 979 9852 968	,490 ,490
No Lic	\$ 93 89 115	218 361 453 468 364	401 340 156 447 454	513 545 563 588 588 698	936, 1,041
- ho m					1
Other Hunting	,245 ,153	253 907 601 301 228	790 998 982 535 237	320 098 375 914 197	706 706 064
Lie	1102 75 79	110 132 146 176 194	200 222 249 251 277	295 292 317 346 352	357 344 353
Moose	4,697	7,051 9,316 11,878 16,787	719 464 464 460	040 210 650 664 033	274 695 095
Mc	444	1118	333,7	90 134 173 214	280, 358,
-					
Deer	,084 ,396	,635 ,549 ,827 ,707	,881 ,226 ,665 ,911 ,082	,201 ,272 ,920 ,440 ,833	493,361 420,727 478,444
Lic	\$118 115 117	166 196 205 237 242	264 286 348 355 364	405 415 459 468	493 420 478
		*			
Year	1943 1944 1945	1946 1947 1948 1949	1951 1953 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963

9

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,367	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644, 159	377,988	36,449	26,416	1,085,012
1963	627,054	375.111	35,318	25,391	1,062,874

[†] Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

Total	58,621 244,333 581,356 568,938	995,573 990,311 1,370,563
Misc.	\$13,008 17,383 27,181 25,556	25,208 45,313 34,347
Federal Assistance	222.	195,129 218,916
Concessions Rentals	44,775	60,868 58,831 71,646
Campsite Permits	\$ 45,613 78,462 124,137 206,148	331,481 447,535 537,997
Vehicle Permits	148,488 207,751 292,459	382,887 438,632 507,657
Year	1957 1958 1959 1960	1961 1962 1963

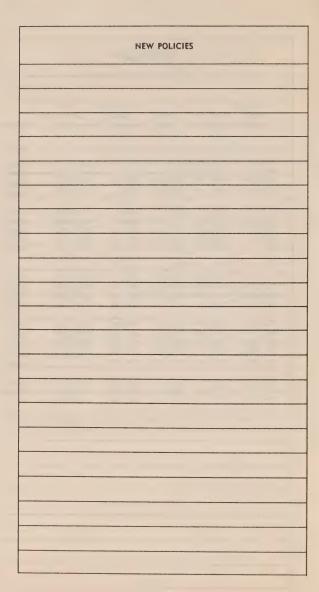
CASH RECEIPTS

In years ending March 31st

		Map Sales		,	Nursery
	Provincial	Casual	Flying	Fire Costs	Tree
Year	Land Tax	Fees	Fees	Recovered	Sales
					F 024
1942	\$ 146,802		\$10,902	\$40,183	
1043	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
		0.040	25 204	20 042	10 296
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849

^{*} The Forestry Act, 1952, provided for the sale of trees to private landowners.





CONSERVATION AUTHORITIES BRANCH

The original Conservation Branch was established in 1944 within the Department of Planning and Development (Economics and Development, 1961). A. H. Richardson, P. Eng., was Director and Chief Conservation Engineer until his retirement in 1961.

The Branch became responsible for the administration of The Grand River Conservation Act (1938), The Conservation Authorities Act (April 13, 1946) and The Parks Assistance Act (April 12, 1960).

The Branch was transferred to the Department of Lands and Forests on January 1st, 1962, under A.S.L. Barnes as Acting Chief. Mr. Barnes was appointed Chief on July 1st, 1962.

Under The Conservation Authorities Act, an Authority is a corporate body comprised of representatives of municipalities located in the watershed or group of adjacent watersheds which is the Authority area. Following a petition from these representatives to the Minister of Lands and Forests, the Authority is established by orderin-council to function on the basis of local responsibility. It is given broad powers to carry out conservation work, including flood control.

The Branch makes conservation surveys of the watersheds of newly established Authorities. The results of the surveys are compiled in conservation reports which are presented to the Authorities. On request, the Branch makes surveys and studies of resource problems for established Authorities. It also supplies technical advice on conservation problems to all Authorities.

All Authority projects must be submitted to the Branch for approval if a grant of money is to be requested from the Provincial Government. The policy is to make grants of 50 per cent available for the majority of approved projects. Three Authorities are carrying out water control schemes under joint agreements with Ontario and Canada,

By March 31, 1963, thirty-one Conservation Authorities covered a total area of 21,586 square miles. They were operated by 638 representatives appointed by 460 municipalities and 86 appointees of the province.

CONSERVATION AUTHORITIES BRANCH

Chief: A.S.L. BARNES

ADMINISTRATION

Supervisor: F. G. Jackson

Forestry . P. M. R. Harvie
Wildlife & Recreation K. M. Mayall
Field Supervision A. D. Latornell
Parks Inspection H. J. Christian
Historical Research V. B. Blake
Land Use

ENGINEERING

Supervisor: J. W. Murray

Project Engineering F. J. Forbes Surveys Flood Warning F. J. Forbes

Hydrometeorology D. N. McMullen (Government of Canada)

14

		·	
AUTHORITY	CONSERVATION	Area Ac	creage
Area in sq. miles	AREA		Devel
Date Established	(Park area)	Total	-oped
Ausable River	Exeter	3	
665	Lucan	9	
July 30, 1946	Morrison Dam	77	
July 50, 1010	Port Franks	314	20
	Rock Glen	17	
	Thedford	20	
Big Creek Region	Abigail Becker	12	
610	Backus	80	
Sept. 9, 1948	Black Creek	21	6
	Kelvin	12	
	Quance	8	
	Sutton	12	-
	Teeterville	50	
	Vanessa	30	
	Vittoria	250	
Catfish Creek	wateriord	230	120
189			
Feb. 23, 1950			
Central Lake Ontario			
242			
July 17, 1958			
Credit Valley	Belfountain	22	
388	Erindale	135	35
May 13, 1954	Forest Cons. Areas	190 170	
	MonoOrangeville	520	
	Terra Cotta	310	100
	Wilcox	102	100
	WILCOX	102	
Crowe Valley			
775			
Nov. 6, 1958			
,			
Ganaraska Region	Cold Springs	30	
229	Garden Hill	56	
Oct. 8, 1946	Sylvan Glen	5	
6 . 1	Dean's Hill	144	2
Grand Valley	Byng	144	
2,614	Doon	58 307	
Feb. 26, 1948	Elora Gorge	200	423
	Pinehurst	105	. 90
	Rockwood	197	
	1.00AW 0004	101	

AUTHORITY Area in sq. miles Date Established	CONSERVATION AREA (Park area)	Area Acreage Devel Total -oped
Grand Commission (1938)	Conestogo Luther Marsh Shand	5, 292700 4, 900 3, 200400
Holland Valley 232 Sept. 6, 1951	Holland Landing	20 10
Junction Creek	Garson	3 3
Lakehead Region 980 July 15, 1954		
Maitland Valley 984 Sept. 6, 1951	Ethel	28 50 30
Mattagami Valley 34 Nov. 30, 1961		
Metropolitan Toronto and Region 968 Feb. 1, 1957	Albion Hills Bolton Boyd Cedar Mills Claremont Cold Creek	810 250 20 977 150 2 2 400 100 435 300
(Black Creek)	Dingle	150 117 10 532 150 67 597 150 247 150 50 20 148
	Humber Valley Oakbank Palgrave Forest Uxbridge Woodbridge	6 6 400 93 35 15
Moira River	Black River Deloro O'Hara Plainfield Prince Vanderwater	50 95 35 15 30 13 6 500 150

AUTHORITY Area in sq. miles	CONSERVATION AREA	Area Acreage
Date Established	(Park area)	Total -oped
Napanee Valley	Second Depot Lake	800
Niagara Peninsula 950 Apr. 30, 1959	Ball's Falls Long Beach	144 142 42
North Grey Region 655 June 5, 1957 Nottawasaga Valley 1, 210 May 5, 1960	Bognor	75 132 132 38 29 15 15
Otonabee Region 603 July 9, 1959		
Otter Creek	Edison Lake Joseph Norwich Port Burwell	10 21 14 21 10
Sauble Valley	Colpoy Range Rankin River	4 4 178
Saugeen Valley	Bell's Lake Brucedale. Durham Mildmay Mount Forest. Southampton Varney	100 12 8 35 10 7 12 4 6 fz 8
Sixteen Mile Creek 167 Dec. 20, 1956 (Sixteen Valley)	Escarpment Esquesing Kelso Chisholm	89 70 361 346 70
South Nation 1, 512 May 8, 1947		
Spencer Creek	Beverley Valens	50 50 257
Sydenham Valley 1,052 Jan. 12, 1961		

AUTHORITIES AND PARKS as of March 31, 1963

AUTHORITY CONSERVATION

AUTHORITY	CONSERVATION	Area A	creage
Area in sq. miles	AREA		Devel
Date Established	(Park area)	Total	-oped
Lower Thames Valley			
Feb. 2, 1961			
Upper Thames River	Centreville	6	3
1, 325	Dingman's Creek	18	5
Sept. 18, 1947	Dorchester	18	9
	Embro	14	8
	Fullarton	81	10
	Harmony	27	
	Harrington	13	8
(Fanshawe)			
(,	Kirkton	5	
	Murray Forest	73	
	Shakespeare	32	
	Wilton Grove	20	
	Woodham	74	
Twelve Mile Creek	Carlisle	27	27
199	Mount Nemo	158.	
June 12, 1958	Rattlesnake Point		286
	Morriston	10	200
Whitson Valley			
123			
Sept. 3, 1959			

	Totals:	Conservation Authorities 21,586 sq. miles Conservation Areas 28,842 acres
ı		Developed Park Areas 4,832 acres

CONSERVATION AREAS ATTENDANCE (in 000's)

				,	
Authority	1959	1960	1961	1962	
Big Creek	17	36	125	80	
Credit	100	96	88	96	
Grand	187	178	185	231	
Metro Toronto.	736	773	850	893	
Niagara	• •	48	58	70	
Moira				22	
Sixteen Mile				22	
Upper Thames.	119	88	103	160	
Other s	216	243	262	225	
TOTAL	1,375	1,462	1,671	1,804	

Authority

WATER CONTROL PROJECTS completed by March 31st, 1963

RESERVOIRS Completed Cost

		omprocou	Cost
Upper Thames	Fanshawe	. 1953	\$4, 912, 443
Grand Comm	Shand	. 1953	2, 056, 487 233, 985 4, 900, 000
	TOTA	AL *	\$12,602,915
	CHANNEL IMPROVEMENT		
Ausable	Grand Bend	1958	\$ 25, 260
Grand	Bridgeport		22, 531
	Speed River, Guelph		
	Phase I and II, Paris	1961	13,000
	Nith River, Paris	1962	3,226
Credit	Erindale	1962	93,428
Maitland	Listowel		,
	Listowel	1960	5, 490
Metro Toronto	Long Branch, Etobicoke Don, York Mills Don, Lower		226, 665 160, 000 69, 436
	Don, Lambton	1960	,
	Black Creek, Lawrence A Lower Humber	ve 1962	
North Grey	Peasmarsh (Indian Road)		
Saugeen	Walkerton		-,
Upper Thames	Ingersoll		1, 002, 992
		1902	41,232
	RIVER DIVERSIONS		
Ausable	Port Franks	1950	158, 802
Metro Toronto	Brampton, Etobicoke Road	1 1952	976, 600
	Don, West Branch	1956	9, 701
	OSION CONTROL MAPPING, Acquisition		\$ 150, 188
0	of Flood Plain Lands		\$ 134, 400
MISCELLANEOUS	PROJECTS		\$ 93,021
Preliminary Engi	ineering Projects	****	\$ 70,64.1
	TO	TAL	\$5,496,711

* LARGE DAMS and Year

^{*}Canada, 37-1/2%; Ontario, 37-1/2%; Authority, 25%.

WATER CONTROL PROJECTS completed by March 31st, 1963

	SMALL DAMS	Year	- d - CA
Authority	and Community Ponds	Complete	
Ausable	Morrison at Exeter	1957	\$199, 198
Big Creek	Sutton at Simcoe* Teeterville*Quance*	1962	15,000 1,558 432
Credit	Orangeville (land purch.) Belfountain		30, 082 15,955
Crowe	Marmora*		29,000 2,179
Ganaraska	Garden Hill Dam	1962	9,294
Grand	Queen St., Galt*	1957 1958 1962	3, 574 15, 468 41, 808 30,439 18, 036
Holland	Fairey Lake*Whitchurch*		40,015 3,45 0
Junction	Kelly Lake	1962	61,617
Metro Region	Albion Hills	1960 1960 1956	76,000 12,500 598,000 2,527 14,000
Moira	Deloro Lingham Lake*		51, 621 8, 400
Napanee	Second Deport Lake	1957	193, 418
North Grey	Sydenham, Owen Sound* Thornbury*		32,000 3,004
Sauble	McNab Lake* Parkhead Dam* Rankin River* Shallow Lake Dam*	1960 1961	1, 045 497 21, 850 1, 300
Sixteen Mile	Kelso Dam	1962	430, 000
South Nation	Casselman Dam*	1958	35, 936
Upper Thames	Dorchester Pond	1953 1954 1954	10, 868 32, 758 32, 730 3, 500 12, 000
	TOTAL	\$	2,148,161

^{*}Repairs to existing structures.

WATER CONTROL PROJECTS UNDERWAY

as of March 31,1963

Authority		Engineering and onstruction Costs	Land Costs
Metro Toronto	Claireville Ebenezer	25,133	247,945 40,194 185,594 34,382 22,141
Upper Thames .	.Wildwood, Woodstock, Mitchell	. 39,433	412,178 2,805
	Channel Improve	ements*	
Metro Toronto	.Black Creek Woodbridge York Mills	. 454,185	55,165 13,292 2,000
	Watershed St	udies *	
Metro Toronto	.Don and Humber	126,337	
	Rivers	*1,464,080 *:	1,015,596
	Flood Plain and R	ASASTOIS	
Matra Taranta	Black Creek,		43,179
metro Toronto.	Don River		23,283
	Duffin Creek		36,079
	Highland Creek		109,100
	Humber, Highland		293,451
	Snelgrove		54,594 27,939
Others	Others		2,492
Others			2,772
	Miscellaneo	ous	
Metro Toronto	.Watershed Studies	S	
	(Duffin)		
	Miscellaneous		
Sixteen Mile	.New Dam, Kelso .	97,950	
Others	.Stream Gauges	9,796	
	Miscellaneous		
	TOTAL.	145,480	590,117

*Canada, 371/2%; Ontario, 371/2%; Authority, 25%





FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wild-life management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1, 300 Deputy Game and Fishery Wardens.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: D.N. Omand Game Management Fur Management Field Services Indian Affairs Agreement

FISHERIES SECTION

Supervisor: J.K. Reynolds Game Fisheries and Hatcheries Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Weasel	20,544	32,002 13,129 23,727 23,816 28,813	20,190 17,981 16,410 11,626	12,631 11,143 10,213	
Squirrel	209	4,121 5,598 16,077 14,256 16,133	13,861 19,440 14,778 11,330 9,255	12,496 10,009 12,850	
Skunk	77	4,538 5,747 5,749 2,506 1,879	1,105 2,019 572 389	216 264 112	
Racoon	129	6,667 10,905 9,874 10,669	13,135 10,551 9,596 4,200 10,580	7,433 9,543 9,189	
Otter	3,276	6,137 5,259 6,410 6,203 6,224	6,401 5,727 8,519 6,698 6,040	7,422 7,456 8,326	
Muskrat	172,219	408,662 567,565 671,642 607,645	400,111 443,153 446,578 337,936 320,287	304,731 377,888 345,428	
Mink	19,867	31,323 27,704 28,904 30,264 29,520	27,513 36,284 49,484 44,926 47,445	61,520 47,215 43,048	
Marten	120	1,045 1,529 2,210 2,767 3,587	2,909 4,467 6,061 4,559 6,361	9,325 10,260 7,748	
** Lynx	409	415 251 1,216 1,464 1,547	891 564 1,103 2,242 4,038	4,502 4,578 4,743	Bob Cat.
Col. Fox	2,783	3,341 5,784 7,604 2,879	2,619 1,253 2,031 1,858 1,188	1,655 2,960 1,647	** Lynx includes
Arc. Fox	39	139 198 54 685 98	163 60 128 302 85	130	** Lynx
Fisher	1,027	2,081 2,414 2,335 2,915	3,046 2,127 3,173 2,365 3,125	3,348 2,728 2,830	
Beaver	46,208	81,790 99,391 109,260 91,484 115,439	98,084 106,738 140,371 120,566 110,615	132,375 137,609 167,408	in 1947.
No. of Trappers	4,326	11,379 11,641 12,332 11,914 12,310	11,001 9,529 8,604 7,826 8,657	9,100 8,588 9,448	* Management began
Year	1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963	* Manag

VALUE OF PELTS, Exported or Tanned in years ending June 30th

1				
Total	\$7,229,098 6,386,885 6,834,120 6,413,530	7,684,460 6,012,145 6,040,596 4,588,280 7,227,870	7,119,077 5,554,018 6,656,546 6,414,426 7,281,744	6,910,963 8,044,560 9,616,231
PELTS	80 0 T E	Ø 70 4 ∞ ∞	80 80 4 E	088 485 920
VALUE OF PELTS Ranch	\$2,262,888 2,346,039 1,647,044 2,165,233	3,101,559 2,355,226 2,171,784 1,905,518 2,942,968	4,1129,555 2,978,209 3,943,119 3,969,214 4,450,571	4,441,088 5,593,485 6,176,920
Wild	\$4,966,209 4,040,847 5,187,075 4,248,297	4,582,901 3,656,919 3,868,812 2,682,762 4,284,902	2,989,521 2,575,809 2,713,427 2,445,203 2,831,174	2,469,875 2,451,075 3,439,311
Total	977,634 1,156,717 1,211,545 1,090,802	963,787 1,111,715 1,255,189 1,149,431 1,267,295	959,593 1,036,983 1,029,095 943,102 928,358	1,029,480 1,013,245 1,078,620
NUMBER OF PELTS fanch Total fink Ranch	101,430 155,468 164,917 158,912	152,208 152,284 156,903 132,759 159,765	172,985 248,317 237,930 262,913 287,265	348,602 385,962 386,133
NUMBER Ranch Mink	73,770 125,829 143,358 143,513	142,570 144,436 152,760 131,192 158,662	171,723 247,998 137,172 262,788 386,845	348,192 385,650 385,982
Wild	876,204 1,001,249 1,046,628 931,890	811,579 959,431 1,098,286 1,016,672 1,107,530	786,608 788,666 791,165 680,189 641,093	680,878 627,283 692,487
Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

	Tanners	\$ 23,229 27,153 18,075	1155 126, 54 126, 54 1	27°767 27°596 9°407 8°353 6°950	9,017 5,999 6,981
ROYALTY ON WILD PELTS	Total Export	\$188,560 238,073 219,949	241,938 300,321 300,799 242,490	196,956 194,340 224,921 195,586 188,562	224,237 217,870 242,652
ROYALT	Export Beaver	\$ 91,694 40,166 148,506 131,200	163,690 211,006 185,103 157,635 135,919	112,663 111,278 140,930 119,684 109,757	130,167 135,949 164,293
	Tanners	214,636 294,017 271,167 181,723	149,340 188,847 256,476 240,441 325,947	190,566 248,613 149,779 112,564 106,374	111,268 115,734 119,216
NUMBER OF PELTS	Total	762,998 862,700 940,378 909,079	814,447 925,868 998,713 908,990 941,348	769,027 788,370 879,316 830,538 821,984	918,212 897,511 959,404
	Export	45,847 20,083 74,253 65,600	81,845 105,503 122,287 105,071 134,729	112,663 111,278 140,930 119,684 109,757	130,167 135,949 164,293
	Year	1947 1948 1949 1950	1951 1953 1954 1955	1956 1957 1958 1959	1961 1962 1963

	Total Amount Paid	\$59,275 54,923 57,977 56,927	46,457 41,803 46,550 41,853 38,703	37,550 38,950 37,255 41,589 33,619	48,766 44,510 44,664
	Total	2,664 2,540 2,727 2,544	2,100 1,895 2,120 1,891 1,736	1,675 1,655 1,824 1,509	2,138 1,998 2,031
WOLF BOUNTY	Pups	45 42 41 41	10861 10861	#2444 #2444	57 68 64
WC	Brush	1,182 961 1,062 890	651 634 739 620	559 486 574 506 538	761 794 691
	Timber	1,440 1,581 1,613	1,1905 1,1905 1,1913 1,001	1,088 1,195 1,047 1,169 939	1,320 1,136 1,276
. Α	Total Amount Paid	\$ 9,735 5,095 6,035 8,530	4,645 4,180 6,805 10,000 11,590	6,310 6,225 16,930 11,145 7,590	4,150
BEAR BOUNTY	Under 12 mts.	73 67 122	1527	300 300 116 139	333
	12 mts. and over \$10 each	959 592 803	453 408 662 947 1,126	614 611 1,568 1,084 697	*328
	Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959	1961 1962 1963

*Payment of bear bounties ended on July 27th, 1961.

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

1962	355	543	164,901 78 13 4
1961	367	685	154, 626 1 1 1 20 20 3 3 508
1960	280	680	130,294 142,600 154,626 1
1959	13383	206	130,294
1958	57 186 12 150	405	119,299 1 1 1 47 47 47 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3
1957	56 1119 105 7 166 6	460	
1956	81 1155 1108 108 239 9	599	101,731
1955	70 135 136 456 456	934	85,332 16 11 11 882 477 539
1954	68 136 136 136 263	1,047	26 26 707 57 57 57 57
1953	56 294 159 159 760 50	1,321	254 264 631 631
1952	75 349 267 1,567	2,375	136 136 192 193 193 193 193
	Blue. Cross. Pearl Platinum. Platinum. Red. Standard Silver.	Total Fox	Beaver Fisher Lynx Marten Miskrat Racoon Skunk

29

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1962-63

		Total					
		licenced	Total	Total	Total		Stock as of
District	No. of			Birds	Birds	No, of	March 31,
	Preserves	udin		Released	Removed	Hunters	1963
s		Islands					
Avlmer	18	5822,9	7962	9413	6229	1068	567
Hespeler	10	2203	7675	7731	4886	528	926
Lindsay	7	1700	3252	3368	2213	449	29
Manle	4	1053	4767	4498	2673	1246	7.1
Tweed		236	40	5280	2492	204	500
Kemptville	2	672	1086	096	467	152	55
Pembroke		120	200	280	53	23	213
Sault Ste. Marie	2 1	260	09	610	271	135	NIL
Parry Sound	. 1	100	275	275	207	40	NIL
TOTAL	48	12666.9	25617	32415	19521	3845	2201

ACTIVITIES OF COMMERCIAL PHEASANT FARMS, 1962-63

		PU	PURCHASES				SALES		
District	No. of Farms	된 888 8	Chicks & Poults	Adult Birds	Dressed Birds	E E E E E E E E E E E E E E E E E E E	Chicks & Poults	Live S Adult Birds	Stock as of March 31, 1963
Aylmer	45	602	CAN 7148	944	5564	1145	19762	7011	3537
Hespeler	64	NIL	CAN 7835	1334	11796	338	2576	4463	1765
Kemptville Lindsay Maple	10 22		NIL 1750 CAN 95		NIL 288 5955	NIL 60 42	53 1045	162 1134 1047	160 477 373
Sault Ste, Marie Tweed Swastika Pembroke	155	HILL NUNN	NIL NIL SOO SOO	112 70 500 NIL	364 1107 606 73	320 NIL	4903 1557 NIL	1542 191 NIL	1048
Sudbury Parry Sound	12		NIL USA 315	NIL 305	309 NIL	NIL 92	NIL 1026	100 281	100 355
TOTALS	172	602	CAN 17388 USA 9615	CAN 3835 USA 200	26062	2145	30930	15972	8724

HUNTING LICENCES SOLD

GAME	Non-Res.	1,949	4 % % % % % % % % % % % % % % % % % % %	4 2 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5,905 6,092 5,503 7,286	7,103
SMALL GAME	Resident	92,847	155,309 171,098 186,060 205,706 213,594	240,040 268,444 256,341 284,000 318,000	316,778 341,838 377,589 378,666 383,205	377,047 383,150
BEAR +	Resident Non-Res.	181	783 548 1,600 1,176	1,120 3,060 2,490 1,520 1,750	2,031 2,703 4,803 4,089 3,828	307 3,786
	Total	1,528	2,924 3,786 4,700	1,400 8,230 9,990 9,990	14,962 19,257 25,050 29,780 36,160	44,752 46,145
MOOSE	Non-Res.	653	1,230 1,516 1,700	637 730 990	1,821 1,890 2,362 3,431 4,212	5,775
	Resident	1,282	1,694	1,400 2,620 7,500 9,000	13,441 17,367 22,688 26,349 31,948	38,977 39,470
	Total	41,039	70,790 78,492 85,000 88,324 96,820	99,690 97,660 101,085 103,200 113,200	105,505 1113,363 1115,366 109,948 120,404	111,948 127,648
DEER	Non-Res.	2,385	7,877 11,193 11,300 12,050	10,400 8,300 10,400 8,050	7,426 6,743 5,988 6,004	5,788 5,913
D	Resident	38,654 53,930	62,913 67,299 73,700 76,274 84,380	89,290 96,790 92,785 92,800 105,150	98,079 106,620 109,322 102,960 114,400	106,160 121,735
	Year	1944	1946 1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959	1961 1962

^{*} Closed Season. ** U.S.A. ban on importation of cloven-hoofed animals. *Includes a few non-resident wolf licences,

TOTAL LICENCES SOLD

	ANG	LING		HUNTING	
Year	Resident	Non-Res.	Resident	Non-Res.	Total
1944		89,291	132,376	5,168	137,544
1945	*****	126,367	186,680	9,451	196,131
1946		171,400	219,916	14,556	234,472
1947	*****	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12 624	27/ 000	420 200	37,000	
1957	12,624	376,000	428,298	16,883	445,181
1958	18,678	397,435	465,825	17,428	483,253
1959	22,005	380,036	509,599	18,712	528,311
1960		389,811	507,975	19,751	527,726
1700	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544.662	23,912	568,574

PROSECUTIONS in years ending March 31st

	Seiz-	Public	*Total	Convic-	Colle	
Year	ures	Sales	Sales	tions	Costs	Fines
1947	1,844	\$	\$37,202	2,040	\$1,216	\$44,267
1948		4,700		2,880		
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872		23,633	2,880	1,387	50,460
1954	2,975		25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,967	1,281	44,444
1957	2,751	9,389	24,596	2,620	1,204	43,895
1958	2,996	9,392	24,320	3,040	1,602	47,443
1959	2,472	10,397	25,018	2,460	1,183	42,876
1960	2,290	9,236	20,612	2,198	1,186	45,136
1961	2,424	9,698	19,217	2,207	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,079	937	47,389

^{*}Includes Redemptions.

FISH DISTRIBUTION FROM ONTARIO PROVINCIAL HATCHERIES IN 1962

TROUT	TROUT	TROUT	BASS	BASS	SS	MASKINONG	MASKINONGE WHITEFISH WALLEYE	WALLEYE	SPLAKE
* 88,470Y		25,900Y	1,1			t 1		, '	
. 108,750Y	7 10,000Y		. į			2,970,000F		75Fg	
. 493,500EE	SE 10,000Fg	2				23,55UF g			
16,192Y			1 1	1 1				1 1	
850A 189,327Y	A 54.312Y	60.300Fg		1 1		6 1	1	1	
39,800A		23,548Y	1	•					. ,
. 58.700Y	1 1		, 1			,1)	46,575,000F	16,500,000EE	
			20A			, ,			
. 29,700Y		28,000Y		•				t	1
. 92,400Y	48,500Y	6,030A	1 1						1 1
15,500A		ŧ	1	1		ı			
164.800Y	2 94,500 E		1 1	2 6					1
			1						. ,
. 191,900Y	Y 28,925Y	37,975Y	1	147,000F	00F			•	
, ,	1	1	1 1	32,000Fg	,000Fg				t i
, 1,000Fg	he	78,800Y	1	32,200Fg	OFE.				1
100,500Y			,	. 12	128A	1	. 1	•	1
. 224,500Fg	295,	9,935Y		1		*			111,792Y
19,295A	A A		. ;	1 1		. (1 1
. 66,330Y	7 14,840Y	14,500Y	55,000F	37,600Fg	OFE				
			72,300Fg				٠		,
. 249,600Y	13,000F	72,500Y	39,820Fg	73,500Fg	OFE		•	4,000,000EE	
, ;	146,0001		ı			4		8,994,000F	6
	100 000 201		1				ı	200,995Fg	
	120,000FB					,			1

35

1,347 Aurora Trout fingerlings were distributed from Hill Lake Hatchery 500 Grayling Adults were distributed from Dorion Hatchery

NOTE:

TRS- Trout Rearing Station PS- Pond Station

JH- Jar Hatchery TH- Trough Hatchery

EE- Eyed Eggs F- Fry Fg- Fingerlings

Yearlings Adults

DISTRIBUTION OF HATCHERY FISH in 000's

SPECIES	*1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Fry	544 97	330 328 1	720	343 343 4	360 122 1	190 129 3	46 63 1	46	231		55
Fry Fingerling	358 385 15	720 623 18	820 452 14	209 529 25	803 369 19	468 132 1	130 133 5	227	156 178 1	230 270 1	147
BLUEGILLS Fingerling	::	::	• • •		• •	::	• • •	• •	• •	• •	• •
CHARR, French Alpine. Fingerling	:::	: : :			7 ::		C4 10			• • •	
CHARR, Pennsylvania.	:	:	:	N	:	:	:				
GKAYLING, Arctic. Yearling	i	i	:		:	•	:	36	:	•	:
Eggs.	1,100	3,600	2,717	3,400	350	1,840	• • •	1,068	50	::	
FINGTINE. Fingering	3,750	2,740	3,550	3,712	3,610	2,430 39 I	2,940 18	4,070	3,390	2,833	2,970
Vant to	•	•	•	•		1	7		•		

53				20,500	8,994		•				•	•	113	0	-	0 0			
:				27,065		•	•		• •		•	•	97	0		7		•	4 80
:		-		53,790	3,600		:		• •				13		2			• 6	8 8
:				30,875	3,040		•		0 0				135	1	2	:		•	193
:				56,245			•		• •				208			•		• 6	133
:				90,565	00		•		o o		•		910					00 %	170
:	- :			138,805	• •		:				513		. 00					• • •	151
:		7		91,800	8,310		•	422	449				10		:				234
:		7		227,000	000,9	I	•				• •		17	~	0				178
:					270,975	r	•					:	32	•	•	•			103
:	24				176,285	•	73				: :		• •	•	•	•		100	140
OUANANICHE Eggs	Fingerling	Adult	PICKEREL (Walleye)	Eggs	Fingerling	Adult	SALMON, Atlantic Fingerling	SALMON, Chum.	Fingerling	SALMON, Pink.	Figure 1		Fingerling	Adult	TROUT, Aurora.	Yearling	TROUT, Brown	Eggs	Yearling

1,849 250 1141*** 10	2.0 10 13 26 83.0 78 132 95 10.0 13 16 83.0 78 123 95 12.612 736 230 374 241 320 39 832 50 842 1,332 2,672 789 1,991 2,092 2,677 2,079 1,
141e 83e 78 123 15 20 28 79 179 141e 122 241 320 374 274 374 374 374 374 374 374 374 374 374 3	2,612 2,612 2,612 2,612 2,613 2,613 374 2,613 376 376 377 378 378 378 378 378 378 378
141e 33e 12 15 20 28 15 26 28 15 26 28 123 32 15 15 15 15 15 15 15 1	2,612 78 123 95 78 124 95 78 125 95 78 129 95 78 241 320 374 99 832 832 832 832 832 832 832 832 832 832
141. 88. 78 133 95 79 2,666 2,612 736 230 374 274 389 370 415 241 320 37 274 389 370 720 50 39 832 634 653 715 102 30 37 200 37 220 166 842 1,332 291 789 455 864 76 2,656 1,91 2,092 2,577 2,079 1,616 2,052 42,665 67,168 51,178 13,435 30,940 1,000 13,875 139,20 102,950 11,130 67,275 47,515 44,985 67,993 53,685	2,612 736 230 374 241 320 39 832 374 320 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 842 1,332 2,677 2,079 1,16 16 19 10 10
2,606 2,612 736 230 374 744 389 370 74	2,612 736 230 374 241 320 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 832 39 842 1,332 522 789 1,991 2,092 2,677 2,079 1,916 16 19 10 10
2,666 2,612 736 230 374 274 889 3715 370 370 370 370 370 370 370 370 370 370	2, 41
2,666 2,612 736 230 374 274 389 370 415 241 320 39 832 634 653 715 720 50 50 520 580 49 30 166 842 1,332 522 1,616 36 76 2,656 1,91 2,056 1,91 1,616 2,052 42,665 67,168 51,178 13,435 30,940 1,000 13,875 139,210 102,550 11,313 67,275 47,515 44,985 61,993 53,685	2,612 10 230 374 241 320 39 832 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
2,606 2,612 736 230 374 274 389 371 415 2,41 326 39 832 634 653 715 83 374 374 389 370 102 37 37 37 37 37 37 102 37 3	2,612 736 230 374 241 320 39 832 832 832 832 842 1,332 522 789 1,991 2,092 2,677 2,079 1,016
720 50 50 580 49 30 102 580 49 30 102 102 102 103 10	50 200
720 50 200 580 49 30 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.0	50 200 50 842 1,332 522 789 1,91 16,991 2,677 2,677 1,000 1,
720 50	50 200 200 200 200 200 200 200 200 200 2
720 50 200 580 49 30 1.66 842 1,332 5,27 2,079 1,807 1,616 2,052 42,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,550 11,130 67,275 47,515 44,985 61,993 53,685	50 200 842 1,332 522 789 1,991 2,092 2,677 2,079 1,
720 50 200 580 49 30 156 842 1.332 5.27 2.079 1.807 1.616 842 1.332 5.27 2.079 1.807 1.616 7.092 1.092 2.677 2.079 1.807 7.64 76 73 73 73 73 73 742,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,550 11,130 67,275 47,515 44,985 61,993 53,685	50 200 185 91 1842 1,332 5.22 789 1,991 2,092 2,677 2,079 1,16 19 10 10
720 50 200 580 49 30 166 842 1,32 52 789 455 864 764 2,056 1,991 2,092 2,677 2,079 1,807 1,616 2,052 42,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,950 11,130 67,275 47,515 44,985 62,993 53,685 4	50 200 35 91 842 1,332 522 789 1,991 2,092 2,677 2,079 16 19 10 10
720 50 200 580 49 30 16 842 1,32 91 15 15 2,056 1,991 2,092 2,677 2,079 1,807 1,616 2,052 42,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,950 11,130 67,275 47,515 44,985 62,993 53,685 4	50 200 842 1,332 522 789 1,991 2,092 2,677 2,079 1,6 19 10 10
1,056 1,991 2,092 2,677 2,079 1,807 1,616 2,052 73 42,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,950 11,130 67,275 47,515 44,985 62,993 53,685	35 91 38 91 38 91 38 91 1,991 2,092 2,677 2,079 16 19 10 10
166 842 1,332 552 789 455 864 704 2,056 1,991 2,092 2,677 2,079 1,807 1,616 2,057 42,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,550 11,130 67,275 47,515 44,985 61,993 53,685	1,991 2,092 2,677 2,079 16 19 10 10 10 10
2,056 1,991 2,092 2,677 2,079 1,807 1,616 2,022 4,026 6,165 1,178 13,435 30,940 1,000 12,000 13,875 139,210 102,950 11,130 67,275 47,515 44,985 62,993 55,685	1,991 2,092 2,677 2,079 16 19 10 10
42,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,950 11,130 67,275 47,515 44,985 62,993 53,685 4	16 19 10 10
42,665 67,165 51,178 13,435 30,940 1,000 12,000 13,875 139,210 102,50 11,130 67,275 47,515 44,985 62,993 53,685	
139,210 102,950 11,130 67,275 47,515 44,985 62,993 53,685	000 1 000 00 302 01 000 13 320 00
	102,950 11,130 67,275 47,515 44,985

^{*}Figures for 1947-1952 Compiled on Fiscal Year Basis.

**Rainbow Trout Included in Kamloops Trout Plantings.

COMMERCIAL FISHING EQUIPMENT

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Value

in 1962	\$ 278 64 64 62	458 16 4 69	3 1,344 1,016	80 27 24 676 131	20 26 73 845 4	5,341
1962	2,491 423 1,124 314	2,825 128 128 34 2,630	623 31 21,659 3,708	976 131 1,117 19,314	1,540 257 208 3,640 3337	5,341
1961	3,413 3,413 1,312 244	2,993 127 24 1,853	638 22 18,628 3,382	990 105 13,201 13,065	1,595 271 181 3,907 323	54,954
1960	3,305 467 1,124 321	1,865 130 33 2,227	614 63 12,774 3,702	966 85 11,539 11,666	1,616 286 286 3,845 163	47,397
1959	1,444 1,480 1,519 319	1,576 140 15 2,947	432 24 19,968 50 4,653	993 11,419 7,059	1,410 225 522 3,183	4,866
1958	81 1,850 635 1,350	1,269 133 22 1,917	484 26 16,299 833 7,825	1,017 174 1,817 4,967	1,509 276 622 3,278 212	47,172
1957	3,589 1,508 1,508	3 796 103 31 1,996	354 23 12,068 6,398 10,609	914 103 103 849 4,666	1,317 375 498 3,226 413	51,113
1956	63 5,795 1,906 1,996	923 55 84 1,142	451 20 11,843 12,019 11,673	904 133 774 4,016 138	1,394 416 641 4,049 132	59,717
1954 1955 1956	61 4,589 824 1,318	988 711 716 926	506 18 5,181 12,070 6,883	913 168 840 2,328 160	1,395 370 1,190 4,452	45,636
1954	66, 202 837 1,428	920 80 87 1,375	426 13 8,203 8,210 5,196	1,148 212 853 1,550	1,485 376 1,562 6,844	47,679
1953	2,197 865 1,384 295	845 60 60 34 1,149	458 11 4,629 10,399 4,650	964 250 849 1,326 193	1,568 469 1,862 10,214 83	7,037
SPECIES	Bass, Rock, Crappies Bass, White Bullhedds Carp	Caviar	Menominee, Filots Perch Pickerel, Blue	Saugers	Surkers Sunfish Trout, Lake Mittefish	TOTALTOTAL VALUE

Yield of Ontario Fisheries by Species -- LAKE ONTARIO .- in 000's 1bs and \$0000's

88 147 179 179 179 179 179 179 179 17	1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	126 90 76 74 105	::					
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2011 2011 2011 2011 2011 2011 2011 2011		15		419	34.0	735	2,219	309
3233 3233 3233 3233 3333 3333 3333 333		40		200	00	062	0 4 4 0	***
38 33 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		32	225	417	103	2002	2,281	477
309 318 316 3324 310 310 11		14	282	207	7.5	200	2,000	200
318 61 61 314 310 310 1		7	265	2.28	114	467	1,000	0 0 0
9146 3333 310 310		4	238	340	124	436	1,943	313
333 323 333 333 333 333 333 333 333 333	30	c	020	0			1	
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3223 310	0 r	٠,	1./.1	301	118	208	1,997	328
310	53	щ,	295	340	166	438	2,098	406
310	5.5	7	208	335	151	321	2,051	393
	7.4	1	188	397	126	454	1,958	355
	51	m	223	572	125	407	2 100	202
248	27	1	202	355	106	483	1,750	331

Yield of Ontario Fisheries by Species- LAKE ERIE --in 000's 1bs and \$000's

Total Value	\$ 657 660 2.132 1,891 3,699	3,089 2,676 3,025 2,950 3,149	2,892 3,249 3,089 3,407 3,842	5,434 4,848 4,662 2,200 2,000	2,507
Total Catch	8,951 10,038 14,483 15,256	18,925 12,334 14,926 19,093 16,866	13,144 17,417 23,389 28,912 30,285	44,682 37,105 30,751 31,597 29,219	35,698
Other	1,535 1,661 2,168 2,122 1,983	2,402 2,433 2,043 2,168 2,802	3,497 1,157 1,058 896	1,088 803 857 725	847
Yellow Pickerel	347 421 453 776 1,068	739 793 799 849 1,252	1,522 2,167 2,288 2,925 4,773	9,275 8,294 5,073 1,384 619	269
White- Fish	3,359 2,524 1,481 1,259 1,689	1,932 2,726 3,800 3,620 1,390	1,130 1,424 1,641 556 399	542 383 87 21	10
White Bass			1,422 2,161 6,153 4,505	5,715 3,538 1,813 1,406 3,255	3,334 2,349
Smelt			374 1,030 1,266 2,040	3,694 4,473 4,656 6,843 11,467	12,835 19,108
Sheeps- head			1,073	713 789 1,727 1,328 1,468	1,116
Yellow Perch	2,050 965 711 1,373 1,206	2,418 2,252 1,939 2,279 2,166	2,758 2,204 3,973 7,749 4,753	11,573 11,894 15,410 19,606 11,654	17,284 20,859
Lake	1116 62 336 6,445	9,525 2,484 603 393 645	323 329 234 281 96	194 104 62 39 6	m 01
Blue	1,54 4,405 9,614 9,390 6,559	1,909 1,646 5,742 9,784 8,611	3,914 7,267 10,333 8,151 12,037	12,002 6,389 824 47	1
Year	1941 1942 1944 1944 1945	1946 1947 1948 1949	1951 1952 1953 1954	1956 1957 1958 1959	1961

Yield of Ontario Fisheries by Species-LAKE HURON (PROPER) --in 000's lbs and \$000's

								1.			
Year	Chub	Lake	Lake	Yellow	Sturgeon & Caviar	Suckers	White- Fish	Yellow Pickerel	Other	Total	Total
1941	233	189	1.110	209	9		93	105	113	2.148	4 105
1942	222	362	800	311	9		114	176	06	2.081	173
1943	247	329	517	355	en		113	167	105	1,836	362
1944	258	129	314	317	ın		142	154	141	1.460	272
1945	292	100	117	239	4	:	99	138	115	1,071	230
1046	000	104	30	336	1		0 11	400	400	1	
1947	113	217	10	210	- 00		200	177	000	1004	131
1948	188	125	10.	147	2		100	100	200	1,10,	240
1949	202	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	23.1	000		243	200	200	1,440	040
1950	129	128		350	000		226	240	123	1,213	0.00
)		i		i	2	000
1951	109	116		431	00		225	254	164	1,307	318
1952	80	107		362	9	84	284	218	52	1,204	267
1953	280	71		496	S	20	180	307	52	1,441	277
1954	454	44		329	7	77	271	231	79	1,492	326
1955	417	54		323	9	111	258	211	89	1,469	324
1056	161	30		Ti ti		90	0 4 0	0	,		1
1000	100	200		2007	1 7	00	017	333	707	1,463	787
1000	170	707		001	40	10	8	700	1.20	886	290
1958	624	19		719	26	7.0	156	245	164	2,023	433
1959	1,082	13		236	12	75	229	331	225	2,203	514
1960	1,302	17		859	9	65	827	230	183	3,489	908
* 00 *	0,00	1		1							
1961	2,342	17		1,072	0 1	193	812	217	26	4,759	1,204
7061	7,180	57		583	7	7.3	349	263	95	3,575	802

Yield of Ontario Fisheries by Species-- GEORGIAN BAY --in 000's 1bs and \$000's

Total Value	340 0	223	380	389	332	268 465 800	1,545	1.450	366	6110	61
Total Catch	402.0	2,163	2,010	1,524	1,292	913 1,563 2,912	3,937	4,317 2,073	1,085	201 219	201
Other	0	74	138	198	188	72 66 56	36	97 60 46	110	4 5 5 2 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5	19
Yellow Pickerel	1	55	69	300	21	160 206 133	52	109 117	38	629 620	33
White- Fish	07.1	584	3642	279	246	245 805 2,189	3,203	3,743	670	540	130
Sturgeon		→ ••	:-	-	H :		2==	-04	r0.4 c	n m M	12
Northern Pike	u	36	30	25	25	19 22 12	8 17 8	18	15	-04	10
Lake	1 C	1,274	1,066	738	696 368	312 343 351	550	154	19		1:
Lake Lak Herring Trou			168 1,066 55 815			17 312 28 343 63 351	26 480 35 550		17 48		1
	7.7	52		103	21		350	1122	17	1 60 61	31 1 1 82
Lake Herring	600	58 52	168	104 103	25 21 21 15	17 28 63	74 26 35	123 123 12 64 12	17	29 23 34	13 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR --in 000's 1bs and \$000's

Yellow Other Total	Pickerel	115 192 3,436 \$274 92 184 3,362 \$274 188 160 3,347 511 98 170 3,816 696	120 117 3,589 639 155 92 2,830 503 116 176 3,371 675 125 162 3,188 561 145 128 2,655 626	200 227 2.851 163 77 2.771 135 67 2.890 130 72 2.890	186 112 2,145 389 217 52 2,797 344 164 68 2,871 376 271 3,850 377 249 54 2,828 277
Sturgeon White	Fish	22 22 11 23 33 33 30 30 30 30 30 30 30 30 30 30 30	2 1 1 2 246 1 1 3066 1 1 3777 1	2 344 5 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2	3 303 6 285 6 287 5 210 11
Menominee Sauger		:::::	:::::	•	12 69 12 57 11 100 17 68 54 19
	Trout	1,298	1,531 1,286 1,447 1,356	1,273 1,389 1,371 1,266 1,003	527 324 366 122
Lake	Herring	1,433 1,392 1,290 1,481 1,708	1,511 1,295 1,255 505	763 993 745 708	821 1,696 1,744 2,833 2,117
Chub		811 111 853 75	333 333 20 20 20	944 988 911 312	112 148 125 117 103
Year		1942 1942 1943 1944 5	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1959 1959

Yield of Ontario Fisheries by Species -- NORTHERN INL AND --in 000's 15s and \$000's

Total Value	\$ 429 466 744 898	896 777 905 764 881	1,035 1,072 795 789 732	823 815 1,039 1,090 1,035	1,019
Total	4,504 4,961 5,040	4,719 4,802 4,629 5,254 5,229	5,728 6,221 6,080 6,080 5,627	5,878 5,764 7,316 7,617 8,234	7,966
Other	472 454 588 4661 674	481 624 457 560 628	718 967 1,390 1,262 1,446	1,332 1,234 1,606 1,344 1,886	1,810
Yellow Pickerel	1,494 1,431 1,503 1,655 1,556	1,621 1,688 1,636 1,706 1,597	1,801 1,847 1,606 1,568 1,437	1,593 1,572 2,048 2,323 2,258	2,262 2,539
White- fish	1,328 1,366 1,435 1,544 1,490	1,417 1,156 1,268 1,627 1,738	1,733 1,759 1,604 1,674 1,497	1,643 1,658 1,855 2,203 2,409	2,180
Tullibee	117 118 221 170 240	162 138 139 169 170	210 241 329 243 192	274 184 411 373 430	539 494
Sturgeon & Caviar	59 120 108	146 136 139 122	99 137 105 81	71 83 1149 1114	119 80
Sauger		111	22 34 31 44 44 44	246 588 588 588	61
Northem Pike	869 950 883 831 830	744 898 806 909 784	915 965 831 1,008	773 820 923 923 878	842 850
Lake	165 197 228 183 142	148 151 144 94 106	110 172 133 120 110	62 153 244 282 161	129
Goldeye	a 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1114 102 34 87	33 33 33 33 34 34 35 37	34
Year	1941 1942 1943 1944 1945	1946 1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962

YIELD OF ONTARIO FISHERIES BY WATERS in 000's Ibs and \$000's

Charles and a second		-									
Year	Lake Ontario	Lake	Lake St. Clair	Lake	Georgian	North	Lake	Northern	Southern Inland	Total	Value \$ 000
										-	
1941	3,126	8,951	992	2,148	2,734	543	3.436	4.504	517		2 147
1942	2,488	10,038	598	2,081	2,163	535	3,362	4.570	546		3.372
1943	2,281	14,483	487	1,836	2,010	572	3.347	4.961	618		4 704
1944	2,637	15,256	449	1,460	1,545	487	3.761	4.964	482		4.380
1945	2,338	18,950	503	1,071	1,524	434	3,812	5,040	909	34,278	6,484
1946	2,059	18.925	493	954	1.292	290	2 580	4 710	670		
1947	2,002	12,334	466	1.107	999	267	2,830	4.802	448	24,022	4 803
1948	2,046	14,926	437	1,440	913	445	3,371	4.629	735		
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607		
1950	2,319	16,866	469	1,301	2,794	899	2,655	5,229	555	32,756	
1951	2.411	13.114	380	1.474	3 720	548	7 851	730	707		1 044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6.221	678	38.044	7.417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827		7.037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	080°9	712		7,013
1955	1,943	30,285	822	1,262	2,298	344	2,540	5,627	615		6,783
1956	2,627	44,682	1.029	1,463	1.113	187	2.145	5.878	503	50 717	7 028
1957	1,997	37,105	1,113	988	664	191	2.797	5.764	493	51,113	7.047
1958	2,098	30,751	206	2,023	407	255	2,871	7,316	544	47.172	7.274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4.866
1960	1,958	29,219	629	3.489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54.954	5.746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341

HUNTER SAFETY TRAINING PROGRAM®

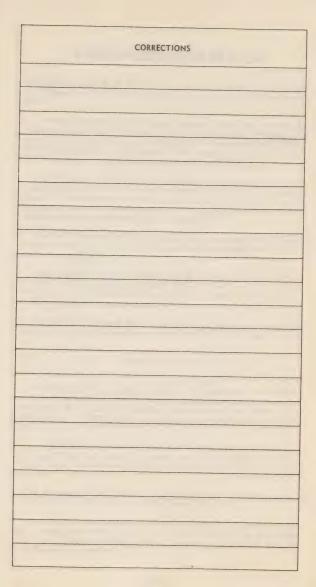
				HU	NTI	4G
	ACTIVE		ENTS	ACC	IDEN	4TS
	INSTRUCTORS	GRADI	UATED	Non	Fa-	
Year	at December 31	Yearly	To Date	Fatal	tal	Total
1957	369	281	281			
1958	1, 433	1,668	1, 949			
1959	2,690	2,780	4, 729			
1960	4, 160	10, 917	15, 646	118	36	154
1961	3,784	15, 267	30, 913	104	22	126
1962	3,527	15,082	45, 995	109	17	126
1963*	* 3,132	20,387	66,382	103	15	118

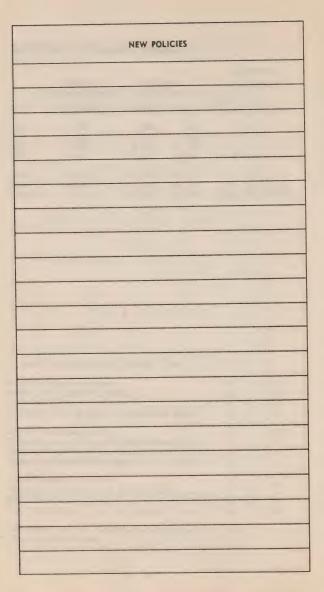
MAIN CAUSES OF ACCIDENTS, 1962

Victim mistaken for game	12	3	15
Victim out of sight of shooter	18	-	18
Victim moved in line of fire	11	5	16
Victim covered by shooter swinging on game .	5	-	5
Shooter stumbled and fell	20	-	20
Crossing fence, etc., with loaded weapon	2	2	4
Trigger caught on brush, etc	9	-	. 9
Loading and unloading weapon	4	2	6
			•
Loaded weapon in vehicle	5	1	6
"Horseplay", didn't know weapon loaded, etc.	5	2	7
Defective weapon	5	2	7
Miscellaneous	1.3	_	- 13

^{*}Mandatory for new hunters since September 1st, 1960.

^{**}Preliminary Report





FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1885. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees...the net expense to the province was under \$5,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

ORGANIZATION

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E. J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively. J.A. Brodie acted for Mr. Mills during his absence on war service.

T.E. Mackey was appointed Chief of Forest Protection on November 1st, 1946. He retired on June 13th, 1963.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

FOREST PROTECTION BRANCH

Assistant Chief: J.M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control Forest Insects and Disease Improvements and Equipment Radio and Telephone Communications Records Statistics Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: W. B. Buckworth

Procurement, Operation and Maintenance of fleet of aircraft Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V. H. F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

In 1961, a total of 70 aircraft were engaged at various periods in suppressing Sioux Lookout fires.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over, 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

HISTORIC FIRES (Continued)

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, dry lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15th, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W. Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D. H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Eight Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

An Otter was written off in north-western fire area in 1961.

In spite of unfavourable flying conditions, only 26 aircraft have been written off. The last of 19 flying fatalities occured in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically. In 1961, they were modified to turn inwardly.

W. B. Buckworth was appointed Supervisor on February 19, 1962.

ESTIMATED FIRE DAMAGE

PRIVATE	PROPERTY	\$103,682	56,389 31,347 81,778 15,650	22,319 113,751 97,036 20,757 56,442	152,
	TOTAL	55,148	389,447 29,504 393,874 406,241 3,591,680		74 §31,989,802 85 74,748
UCTION*	Total	\$ 19,538 \$	93,552 9,722 97,654 157,154 913,953	197,901 34,808 88,818 7,332 9,764	65,874 \$.24,285
DAMAGE TO REPRODUCTION	Private	\$10,927	1,121 553 9,843 793 13,622	2,411 11,722 35,242 4,752 1,427	3,687
DAMAGE	Crown	\$ 8,611	92,431 9,169 87,811 156,362 900,331	195,491 23,086 53,576 2,579 8,337	62,187 10,740
MAGE Only)	Total	\$ 35,609	295,895 19,782 296,220 249,087 2,677,727	2,870,251 428,252 222,685 14,709 428,330	31,923,928 50,462
TIMBER DAMAGE (Crown Dues, Only)	Private	16,244 \$19,365	1,880 5,769 16,880 838 5,870	21,876 49,309 2,470	14,993
TIM)	Crown	\$ 16,244	294,015 14,013 279,340 248,249 2,671,857	2,868,133 406,376 173,377 13,882 425,860	31,908,935
AGE	Total	3,561	29,590 1,978 29,622 24,909 267,773	155,378 21,121 11,186 21,416	1,596,196
MEER DAMAGE (000's Cu. Ft.)	Private	1,937	188 577 1,688 84 587	1,014 2,465 123	83
TIMIT (000)	Crown	1,624	29,401 1,401 27,934 24,825 267,186	155,305 20,107 8,721 680 21,293	2,440
	Year	1950	1951 1952 1953 1954 1955	1956 1957 1958 1959	19 61 1 ,

§ Most of this timber was inaccessible.

FOREST FIRE SUMMARY

	NUMBER O	F ACRES BUR	NED OVER	Number	Average
Year	Crown	Private	Total	Of Fires	Acreage
1917	*****		384,164	1,110	346
1918	******	*****	30,172	965	31
1919	******		922,161	1,780	518
1920	*****	*****	358,851	1,287	279
1921	*****	• • • • • • •	749,534	1,269	591
1922	******		346,193	1,021	339
1923	*****		2,120,148	1,343	1,579
1924	*****		146,017	851	165
1925	******	******	189,543	1,149	103
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	189
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	45,510	966	47
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	. 33
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184.728	1.305	908
1962	7,583	6,221	13,804	1,521	9 30
1963*	38,489	17,673	56,162	1,886	

^{*}Preliminary report

1963 FOREST FIRES (Preliminary Report)

HONOR FIRE WARDE	DISTRICT	Acres Burned	Number of Fires	Average Acreage
255	Chapleau	29	26	
396	Cochrane	1,132	41	1.1
228	Fort Frances	2,390	62	27.6
410	Geraldton	944	70	38.5
26	Gogama	34	20	13.5
250	Kapuskasing	1,019	53	19.2
11	Kemptville	5	4	1.3
370	Kenore	833	171	4.9
	Lake Erie		1/1	
51	Lake Huron	4	4	1.0
36	Lake Simcoe	22	16	1.4
163	Lindsay	210	78	2.7
324	North Bay	1,368	155	
340	Parry Sound	996		8.8
180	Pembroke	717	189 103	5.3 7.0
284	Port Arthur	2,564	92	27.9
245	Sault Ste. Marie	638	121	5.3
134	Sioux Lookout .	14,665	92	159.4
500	Sudbury	16,552	382	43.3
334	Swastika	885	46	19.2
284	Tweed	553	120	4.6
209	White River	10,602	41	258.6
5,030	TOTAL	56,162	1,886	29.8
	MONTHS			
	April	3,258	306	10.6
	May	12,877	199	64.7
	June	16,708	258	64.8
	July	12,929	559	23.1
	August	202	144	1.4
	September	5,592	89	62.8
	October	3,161	282	11.2
	November	1,435	49	29.3
		-,,,,,,	40	49.0

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

ORIGIN	1952	1953	1954	1955	1956	1957	1958	1959	1959 1960	1961	ORIGIN	1962	*1963
Land Clearing	112	92	42	148	49	125	123	52	55	80	Residents	146	318
Camping	315	388	221	390	196	379	325	323	265	295	Recreation	592	824
Snokers	214	279	147	298	145	342	371	159	116	201		:	:
Railways	131	188	82	189	122	176	149	29	49	62	Railways	92	91
Road Construction	26	13	11	13	34	73	63	12	18	15	:	:	:
Logging	31	24	13	53	22	39	17	25	20	19	Industry	7.5	68
Mining	S	7	m	11	9	7	1	64	17	64	•	:	:
Prospectors	:	1	6	11	00	63	pref	*	1	1		:	•
Incendiarv	13	19	25	31	00	36	43	13	12	31	Incendiary	38	36
Miscellaneous	108	143	74	148	123	194	229	116	62	143	Miscellaneous	289	201
Unknown	10	77	6	32		32	17	17	11	11	Unknown	10	28
Lightning	130	357	252	928	302	275	219	242	310	445	Lightning	295	320
Total	1,095	1,520	188	2,252	1,017	1,671	1,558	1,027	926	1,305	TOTAL	1,521	1,886
Man Caused - Total		1,163	629	1,324	715	1,396	1,339	785	646	860	Man-Caused	1,226	1,566
Percentage		77	71	59	20	20	8	26	89	99	%age	81	83
Prosecutions	•	0	•		. 62	22	71	300	31	54	Prosecutions.	48	75
Convictions					56	41	62	35	30	47	Convictions	43	68
* Preliminary Report	ort												

Aircraft 630 352 310 Aircraft 337 117 122 Rangers 168 93 72 Public 699 423 400										***	1962	T 1903
337 117 168 93		228	253	891	262	575	581	414	304	419	555	653
168 93	139	216	136	395	189	203	121	91	158	246	131	291
699 423	89	122	46	102	57	141	87	99	63	74	92	137
	530	654	356	864	209	753	692	458	431	266	743	805
SIZE 1949 1950 1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	*1963
\$ acre 574 260 329	391	200	354	846	395	575	490	470	416	502	049	697
1/4-10 acres 933 518 428	581	821	428	1,124	502	861	861	493	448	639	744	949
i0-100 acres 242 155 115	103	146	81	188	99	187	178	26	59	112	84	201
100-500 acres 61 43 21	16	33	•	52	36	37	30	0	33	12	17	30
Over 500 acres., 24 9 11	4	20	6	42	28	11	6	1	10	40	9	6
AVERAGE SIZE 33 37 112 (Acres)	111	39	62	176	222	38	75	ro	33	806	6	30

* Preliminary Report

FOREST PROTECTION PERMITS

		WORK P	ERMITS	TRAVEL I	PERMITS
	Fire		**	D	Dangong
Year	Permits	Permits	Men	Permits	Persons
1926	13,466				
1927	13,593			6,548	15,669
1928	13,611			15,406	42,566
1929	14,038			20,738	51,443
1930	15,094		*****	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988			9,774	28,606
1936	18,964			8,447	26,564
		4,434	57,978	8,947	28,946
1937	15,400 15,035	4,106	44,882	12,216	38,952
1938		3,686	48,208	12,707	40,446
1939	15,565	2,684	46,727	10,162	33,350
1940	14,522	2,004	70,727	20 , 20 2	00,000
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1743	0,704	-,	,		
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1051	0 647	4,130	65,762	114,998	422,938
1951	9,647	3,971	55,882	124,193	455,979
1952	11,764	3,585	49,387	146,481	506,703
1953		3,496	67,346	113,971	408,018
1954	12,315	3,668	76,703	211,724	717,542
1955	14,803	3,000	70,700	212,724	, ,,,,,,,
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471
10/1	00 05/	4 (2)	47 016	109 109	393,510
1961	20,956	4,631	47,916	108,108	
1962	22,298	4,590	42,375	108,771	366,985

MAJOR EQUIPMENT March 31st

the drups		1950	1921	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
1,567 1,698 1,841 2,030 1,997 2,376 1,538 1,597 1,671 1,739 1,750 1,750 1,586 1,538 1,597 1,671 1,739 1,750 1,75	Portable Power Pumps Portable Hand Pumps. Hose (000's Feet)	896 5,717 2,144					1			1,396 8,336 3,551	1,271 8,344 3,712	1,225 8,237 3,664	1,201	1,145 8,159 3,230
382 445 556 573 542 609 615 647 659 661 668 669 661 668 669 661 668 669 661 668 661 668 669 661 668 669 661 668 669 661 668 669 671 771 771 771 771 771 771 771 771 771 771 772 785 534 538 568 Scows <	Eiderdowns	1,567		~	2,030	1,997	2,376 1,506 31,582	2,469 1,538 29,288	2,438 1,597 29,505	2,483 1,671 29,024	2,391 1,739 30,540		2,618 1,780 33,756	2,542 1,828 36,075
1500mid 1,003 1,084 1,142 1,061 1,114 1,087 1,052 1,052 519 554 534 585 568 100 1 1,02 1,02 1,02 1,02 1,00 1 1,02 1,02	Binoculars	382			575	573	642	609	615	647	629	661	899	691
1 Scows	Canoes	1,003 231 501 57	-		1,061 379 690 61	_	1,087	1,073 459 771 60	1,052 493 800 59	1,005 519 785 48	954 809 44	930 538 807 42	922 568 834 31	868 570 837 40
1 Autos 400 491 666 730 715 786 751 861 918 905 945 945 949 946 946 946 946 946 946 946 946 946	and				•	•	•	4	9	7	9	6	9	ιΩ
44 44 50 49 45 46 44 44 42 42 41 42 24 24 24 24 24 18 18 16 24 24 22 20 18 16 .		400	491	666		715 107 101	786 141 121	751 166 134	861 205 312	918 249 186	905 263 184	945 277 194	949 283 198	967 302 214
347 397 613 686 801 825 899 1,047 1,140 1,294 1,564 1,846 231 271 279 280 288 292 302 308 315 318 333	Railway Motor Cars	44	44	50	49	4 .	47	246	24	22	42 20	18	16	38
347 397 613 686 801 825 899 1,047 1,140 1,294 1,564 1,846 231 271 279 280 288 292 302 308 315 313 333	Snowmobiles	•	:	:	:	7	90	10	14	10	13	14	16	22
231 271 279 279 280 288 292 302 308 315 318 323	Sets,	347		613	989	801	825	899	1,047	1,140	1,294	1,564	1,846	1,885
	Steel Towers	231	271			280	288	292	302	308	315	318	323	323

59

REPORT OF MAJOR EQUIPMENT (as of March 31, 1963)

	*B		======================================	ın i
	t/)		======================================	22
	Δ.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		16
Rly	Mtr	### ##################################	=======================================	38
	Trac- 1	£6088821 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	782 3EEE	214
	Frail-T	27 1 1 1 1 1 2 2 1 1 1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	112 112 112 112 112 112 112 112 112 112	302
Motor	Veh- Ticles	#0.004-04-004-004-004-004-004-00-00-00-00-0	Ting 41	2967
Out-	board	10464616164644666664646 7977777468816464666664646	SHIFTING SSS 5	837
Boats	In- board	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	======================================	40
Bo	Not	01122111 22222442222224	28 28 28 28 28 28 28 28 28 28 28 28 28 2	570
	Canoes	444388 8 84 78884838418 8077438147691588888888	31 2 2 2 31 31 31 31 31 31 31 31 31 31 31 31 31	868
Bin-	ocu- Ca	8044000001004000000400 10110000000000000	11	691
		040081080001180080000000000000000000000	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,828
Sleep-	ing Bags	H 1		1,1
	Tents	110 200 200 200 200 200 200 200 200 200	93 nill 72 72 72 51 nill 6	2,542
	Blank- ets	112.2993010202020202020202020202020202020202020	751 751 98	,075
	Blank	विनेत्रीन ने ने नेन्य्रेवलियोन	ने में नी	36,
00'sft.)	Fire	1,1,0,1,1,1,1,1,0,0,1,1,1,0,0,1,1,1,0,0,1,1,1,0,0,1,1,1,0,0,1,1,0,0,1,1,0,0,1,1,0,0,1,1,0,0,1,1,0,0,1,1,0,0,1,1,0,0,1,1,0,0,1,1,0,0,1	1,149 195 1,081 1,114 1,114 139 139	32,296
٦		17347471 4724747471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 4724747471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 4724747471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 4724747471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 4724747471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 47247471 472474	307 nil 276 nil 476 nil nil	,159
Portable	Pumps Power Hand	000000000000000000000000000000000000000	9 11 1310115	80
14	Ро		23.3.3.3.4.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	1,145
	LOCATION	DISTRICTS Chapter Chap	Cartenton. South Central. Westem. Mid-Westem. South Eastem. Outhers. OTHERS Air Service. Air Service. Air Service. Air Advictive of the control of the contr	rotal
		≪OOMOGHXXXIXXCTUQQQQQ	ONBENZO MATRA	H

*B-Barges

*S-Snow Vehicles

*V-Velocipedes

AIR SERVICE SUMMARY, Hours Flown in years ending March 31st

1	1				
Effective Load (tons)	22,234	3,367 3,164 3,079 3,918	3,429 6,091 3,481 3,497 4,871	4,198 4,638 8,121 5,657	89.228
Per- sonnel Carried	89,206	5,140 5,410 5,346 7,245	5,465 6,723 5,099 5,349 5,197	4,926 4,833 5,221 4,819	165.897
Passengers	165,583	27,140 30,439 25,900 31,109	29,256 46,478 28,789 28,636 27,506	27,600 29,069 32,749 27,750	356,361 588,691
Total Flying l	175,290	11,057 12,800 11,889 13,564	12,389 17,785 11,692 12,506	11,984 12,569 14,486 12,542	356,361
nts No.	::		28 22 28 21	20 21 25 16	
Mercy Flights Hrs. No.	361	64 168 56 53	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	333 20 20	1.075
Inter- depart- mental	279	233 188 150 574	398 458 384 327 421	475 470 370 454	5,180 1.075
Photo	1,415	273 280 187	244 130 148 24		2,701
Sur-	::	97	181 72 23 23 15	∃ ₹::	654
Re- search	1,442	303 360 266 386	284 192 199 212 189	228 200 170 201	4,632
Parks	::		311	345 255 266 386	1,835
Lands	110	283 153 149 376	246 181 180 190 200	209 260 260 230	3,034 1
F&W Mngt.	2,985	2,029 2,086 1,980 1,972	2,362 2,333 2,289 2,837 3,615	3,569 3,455 3,628 3,862	40,647
Timber Mngt.	604	938 903 674 982	1,048 835 986 801 876	883 965 799 923	12,218
Fire Ranging	88,732	4,211 5,498 5,278 6,302	5,095 11,396 5,347 5,652 4,275	4,053 4,914 7,130 4,169	168,977
Year	1924- 1949 1950	1951 1952 1953 1954	1955 1956 1957 1958 1959	1960 1961 1962 1963	Total 1

PILOTS' FLYING TIME March 31, 1963

PILOTS		1924-62	1962-63	Total
Allen Ballantyne . Beaushene . Bieck Burtt	DW DE GD AH AE	2,764:25 1,921:55 3,446:55 1,595:10 8,207:25	471:55 340:05 495:30 322:50 389:35	3.236:20 2,262:00 3,942:25 1,918:00 8,597:00
Calver Campbell Colfer Cooke Cram	DR GE AP TC WW	3,257:25 4,787:35 6,696:50 7,082:30 1,229:40	260:50 569:35 590:40 705:10 259:30	3,518:15 5,357:10 7,287:30 7,787:40 1,489:10
Croft Croal Culliton Denley Evans	BR DM JE JG FB	1,500:40 1,634:10 7,566:55 4,458:55	266:30 535:45 260:50 256:40 261:10	1,767:10 2,169:55 260:50 7,823:35 4,720:05
Fiskar Glennie Hoar Hoeberg Hugill	UW NA HA PS WA	3,871:10 2,624:45 3,045:35 3,119:15 2,504:25	438:20 429:20 156:25 358:55 288:35	4,309:30 3,054:05 3,202:00 3,478:10 2,793:00
Kincaid Kirk Lamont Le Feuvre Lowe	cj JA CJ B	7,656:45 4,802:35 3,679:40 9,037:50 1,594:55	387:10 267:55 375:35 435:40 188:55	8,043:55 5,070:30 4,055:15 9,473:30 1,783:50
MacDougall, North Parsons Pike Poulin	FA DH R SJ LD	5,191:05 1,250:20 7,549:40 287:00 7,981:50	106:10 212:00 204:50 286:50 130:30	5,297:15 1,462:20 7,754:30 573:50 8,112:20
Reid Siegel Speight Taylor Thomas	DM J HC JM E	4,591:00 5,262:15 7,858:20 3,554:20 3,548:45	300:05 242:25 532:15 33:30 342:00	4,891:05 5,504:40 8,390:35 3,587:50 3,890:45
Thompson Trussler Turcotte Other Pilots	FJ GE LG	2,695:10 7,625:50 1,302:50 187,033:15	357:05 248:30 232:10	3,052:15 7,874:20 1,535:00 187,033:15
Total Hours		343,819:05	12,541:45	356,360:50

46	Year	Effective	FLYIN	G HOURS
AIRCRAFT*	Purchased	Load (tons)	1962-63	1924-63
35 BEAVER*				
CF-OBS	1948	76	353:50	5,593:45
CF-OBW	1948	125	259:30	3,786:50
CF-OBX	1948	97	210:05	4,296:15
CF-OBY CF-OBZ	1948	78	291:55	4,025:05
CF-OCA	1948	115	424:10	4,743:55
CF-OCB	1948	64 113	209:30 297:35	4,215:55
CF-OCC	1948	128	284:40	5,051:10 4,363:55
CF-OCD	1948	143	337:10	4,003.33
CF-OCE	1949	186	350:10	4,027:20 4,927:00
CF-OCG	1949	37	187:10	3,815:10
CF-OCH	1949	39	140:35	4,253:05
CF-OCJ CF-OCK	1949	146	401:50	3,829:10
CF-OCL	1949 1949	60 48	247:50	4,254:15
CF-OCN	1949	73	154:10 260:20	3,984:50
CF-OCO	1949	128	453:40	4,667:10 4,610:10
CF-OCP	1949	123	367:35	5,106:25
CF-OCQ	1949	60	239:30	4.877:25
CF-OCS	1949	56	243:30	4,367:30
F-OCT	1949	60	321:05	4,604:45
CF-OCU CF-OCV	1950	113	316:50	4,326:30
CF-OCX	1950 1950	102	396:00	3,787:35
CF-OCY	1950	76	325:35 338:40	3,927:30
F-OCZ	1950	74	252:50	3,752:30 2,928:10
CF-ODA	1951	69	350:45	3,667:45
F-ODB	1951	104	234:10	4,073:50
F-ODC	1951	48	372:50	5,097:45
F-ODD	1951	4.5	160:40	1,207:30
F-ODE	1951	33	328:00	3,303:35
CF-ODF CF-ODG	1952	0.0	1:35	3,376:55
CF-ODO	1952 1955	90 7	387:10	4,191:55
F-ODS	1955	30	119:45 150:25	848:35 706:40
	1930	30	150.25	706:40
0 OTTER				
CF-ODJ CF-ODK	1953	151	346:35	2,948:55
CF-ODL	1953 1953	215 269	183:40	2,591:10
CF-ODP	1956	213	311:45 269:40	2,802:35
CF-ODQ	1956	216	191:50	1,836:05 2,094:15
CF-ODU	1960	820	323:10	841:55
CF-ODV	1961	184	480:25	1,090:55
CF-ODW	1961	571	415:15	572:20
CF-ODX	1962		3:00	3:00
CF-ODY	1962		2:50	2:50
VIDGEON				
CF-ODR	1956	18	242:30	1,583:40
All other Aircr	aft			200,454:15
all other Airci	UIL			200,434.13

^{*}Two of listed Beavers were sold in 1962.

1943	8 May 5 June 17 May 12 May	18 May 12 May 18 May 28 May 11 May	11 May 22 May 21 May 10 May	17 May 7 May 18 May 19 May
1942	26 April 5 May 27 April 29 April	29 April 29 April 1 May 8 July 4 May	29 April 4 May 5 May 24 April	29 April 29 April 29 April 5 May
1941	21 April 2 10 May 2 2 May 2 2 May 2	1 May 30 April 2 13 May 12 May 1 May		1 May 30 April 3 May 12 May
1940	5 May 19 May 7 May 15 May	18 May 15 May 22 May 9 May	24 May 23 May 29 May 29 May	18 May 4 May 7 May 23 May
1939	7 May 15 May 12 May 11 May	12 May 9 May 16 May 19 May 14 May	29 May 12 May 13 May 22 May 28 April	11 May 5 May 13 May 18 May
1938	. 6 May 24 May 2 May 11 May	14 May 9 May 14 May	18 May 14 May 16 May 16 May 21 April	S May 30 April 3 May 16 May
1937	3 May 17 May 8 May 13 May 25 May	15 May 7 May 10 May	27 May 27 April 14 May	13 May 4 May 18 May
1936	4 May 24 May 14 May 19 May 19 May	19 May 18 May 24 May 	28 May 15 May 1 June 1 April	18 May 8 May 1 June
1935	1 May 21 May 14 May 3 May 17 May	15 May 10 May 22 23 May 2	3 May 23 May 2 May	16 May 2 May 21 May 16 May
1934	4 May 25 May 14 May 15 May 20 May	16 May 11 May 19 May 26 May	12 May 25 May 24 April	16 May 8 May 26 May 19 May
1933	29 April 27 May 15 May 16 May	3 July 10 May 16 May 10 June	6 May 21 April	10 May 3 May 14 May 15 May
BASE	Algonquin Park Caribou Lake Biscotasing Fort Frances	Ignace	Pickle Lake Port Arthur Red Lake Remi Lake	Sioux Lookout Sudbury Temagami Twin Lakes

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

BASE	1944	1945	1946	1947	1948	1949	1950	1921	1952	1953	1954
Algonquin Park Carey Lake Caribou Lake Chapleau Biscotasing	3 May 19 May 7 May	26 April 12 May 26 April	30 April 23 May 22 April	8 May 3 June 17 May	19 April 19 May 8 May 28 April	2 April 9 May 10 May 7 May	17 May 1 June 16 May 20 May	29 April 21 May 30 April	24 April 10 May 7 May 8 May	21 April 15 May 14 May 8 May	29 April 18 May 27 May 4 May
Eva Lake Fort Frances Geraldton	15 May 14 May 19 May	27 April 27 April 12 May	27 April 7 May	16 May 20 May 14 May 20 May	8 May 11 May 14 May 27 April 10 May	1 May 30 April 4 May 30 April 3 May	20 May 24 May 20 May 8 May 22 May	10 May 7 Nay 9 May 24 April 9 May	30 April 1 May 5 May 23 April 1 May	29 April 4 May 7 May 29 April 5 May	17 May 13 May 18 May 3 May 18 May
Kenogmi Kenora Lauzon Lake Oba Lake	20 May 17 May 23 May	10 May 5 May 23 May	14 May 7 May 7 May	20 May 27 May 12 June	8 May 5 May 18 May	3 May 10 May 12 May	22 May 8 May 23 May	10 May 10 May 8 May 16 May	2 May 1 May 8 May 7 May	7 May 7 May 18 April 10 May 8 May	9 May 18 May 28 April 15 May 21 May
Parry Sound Pays Plat Pickle Lake Port Arthur	5 May 16 May 19 May	9 May 2 May 10 May	30 April 26 May 30 April 7 May	6 May 14 May 2 June 16 May 26 May	12 May 8 May 18 May 3 May 13 May	13 April 7 May 9 May 30 April 3 May	27 April 18 May 3 June 19 May 29 May	17 April 8 May 17 May 2 May 15 May	23 April 2 May 7 May 22 April 3 May	30 Mar. 6 May 13 May 30 April 8 May	20 April 11 May 2 June 7 May 21 May
Remi Lake Sault Ste. Marie Sioux Lookout South Porcupine. Sudbury	17 May 27 April 15 May 8 May	3 May 10 April 10 May 1 May	15 May 11 April 3 May 3 May 13 April	2 June 30 April 20 May 27 May 14 May	10 May 14 April 12 May 1 May 27 April	4 May 7 April 1 May 3 May 25 April	23 May 6 April 27 May 19 May 12 April	3 May 9 April 12 May 30 April 25 April	2 May 7 April 3 May 1 May 28 April	13 May 27 Mar. 7 May 5 May 20 April	19 May 13 April 20 May 5 May 29 April
Temagami Twin Lakes	8 May 18 May	20 April 12 May	23 April 22 May	17 May 8 June	27 April 14 May	20 April 12 May	15 May 30 May	I May	l May 16 May	28 April 13 May 11 May	4 May 22 May 18 May

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

1963	April May May April	April May May May May		April May May May May April May May	
	200 50	88173	850	22 11 12 12 13 14 15 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	
1962	May May May	May May May May	May April May May	April May May May May April May April May	May April May
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1961	May May Apri	May May May	May May	May May April May May May May May	May May
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1959	lay (e)	April May May May May	April April May May Arthur)	April May April May May April May May May May May	May April May
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	April 5 May May 12 May May 15 May April 4 May	= =	1 30 1 20 1 20 1 1		-
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			il 17 April 2 May 4 May (Moved to Por		
1921	April May May May	April May May May	6 May 29 April 9 May 13 May (M	April May April May May April May May May May May May May	May April May
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9	May May May May	May May May	17 May 7 May 16 May 1 June	May May May May May May May May	May June
1956	117 127 14 M	20476 20476 20478	17 M 16 M	15 M M M M M M M M M M M M M M M M M M M	17 M
22	April April May April April	April April April April	April April April May	April May April April April April April April April	April
1955	21 Ap	27 Ap 22 Ap 28 Ap 26 Ap	27 Ap 19 Ap 28 Ap 1 Ma	18 AM M M M M M M M M M M M M M M M M M M	26 Ap
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	:::::	:::::	:::::		
	Algonquin Park Carey Lake Caribou Lake Chapleau	9		Parry Sound Pays Plat Pyr Parry Plat Port Arthur Red Lake Remi Lake Sault Ste. Mari Sioux Lookout South Porcupine Sudbury	Tweed
BASE	ke.	nce n	ake.	ake hur hur e	· · · · · · ·
BA	Iqui La ou eau	Fra dto dto e	ake ake	So Pla	Lak
	Algonquin Park Carey Lake Caribou Lake Chapleau	Fort Frances. Geraldton Gogama Ignace	Kenora Lauzon Lake Nym Lake Oba Lake	Parry Sound. Plays Plat Pickle Lake Red Lake Remi Lake Sault Ste. M Soux Lookou South Porcup)	Temagami Tweed
	ACCC A	F G G	OOZEK	Sou Su	Tw

DEPARTMENT RADIO STATIONS

				OPERATING
Diampiam	Om 1 mross	CALL	H.F.	V.H.F.
DISTRICT	STATION	SIGN	Kc/s	Mc/s
FORT	Fort Frances	XLN21	4460	46.62
FRANCES	Lac La Croix	XLN22		*
	Atikokan	XLQ71		
	Rainy River French Lake	XLR59		*
	Nym Lake	XMN23	*	w
	Cache Bay	XLN234 XLN233		
	Prairie Portage	XLN233	*	
	Cabin 16	XLN29		
	Beaverhouse Lake	******		
	Cabin	XLN275		
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	Ħ	
	Sioux Narrows	XLR42		
	Dryden	XLN35	×	
	Nestor Falls	XLN24		29
	Vermillion Bay	XLS87		19
	Dyment	XL096		*
SIOUX	Sioux Lookout	XLN37	4460.	46.86
LOOKOUT	Red Lake	XLN43	. #	*
	Pickle Lake	XLN38	*	*
	Armstrong	XLN40	*	*
	Ear Falls Winisk	XMN50		91
	Ignace	XLR62		77
		XLN23		. "
PORT	Port Arthur	XLN45	4580	46.70
RTHUR	Shebandowan	XLN47	:	•
	Black Sturgeon Lake	XLN48		
	Upsala Saganaga Jaka	XLN217		•
	Saganaga Lake Dorion	XLN218		
	Sibley Park	XMN78 XLN85		21
	DIDIOY I GIR	ALINOS		"
ERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	16	N
	Marathon	XLN54		
	Killala Lake	XLN55	*	
	Hillsport	XLQ46	*	
	Nakina Longlac	XLS53		:
	Macdiarmid	XLS52 XLN49		
	Noculai mig	ALLTY		_
HITE	White River	XL078	4880	46.62
IVER	Franz	XLN62	W	#
	Wawa	XLN63	H	
	Mobert	XLN61	N	*
	Manitouwadge Lake	XMN25		*
AULT	Sault Ste. Marie	XLN58	4880	46.78
TE. MARIE	Blind River	XLN65	***************************************	40170
		XLN261	R	
	Ranger Lake Elliot Lake	XLN264		
	Peshu Lake	XLQ41		
	Sand Lake	XLQ77	*	
	Pancake Bay	XLR39		
	Kirkwood	XLP44	_	19
	Mount Lake	XLR69	THE STATE OF THE S	

GOGAMA	Gogama	XLN78	4880	46.82
go dieras	Elsas	XLN79	#	
	Foleyet	XLN84		*
	Opishing Lake	XMN42		
	Ronda	XLP69		_
	Marne Lake	XLN283		27
				44 50
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanabie	XLR52		
	Sultan	XLQ73		
	Biscotasing	XLN80		
	Unegam Lake	XLN205 XMN77		
	Racine Lake	XLP46		
	Wrong Lake	ALA TO		
SUDBURY	Sudbury	XLN77	4880	46.86
SUDDUKI	Skead	XL080		u u
	Espanola	XL044		и
	Jamot	XLR30	8	
	Maccon	XLR29		
	Windy Lake	XLk67		**
	Windy Lake Southbaymouth	XLS86	n	11
	Sandfield	XLR68		-
	Stinson	XLN239		
	Fairbank Lake George Lake	XLN39		
	George Lake	XLS85		
	Little Current	XMN24		
	Panache Lake	XLN271	,,	
		V1 D70	4535	46 96
KAPUS -	Kapuskasing	XLP78 XLN69	4333	46,86
KASING	Hearst	XLN73		19
	Hornepayne	XLN74	H	
	Oba	XLN237		M .
	Nagogamisis Lake	XLN240		
	Little Long Rapids Rogers Township	XLR71		
COCHRANE	Cochrane	XLQ37	4535	46.78
	Timmins	XLN70	-	
	Eades	XLN71	**	*
	Wade Lake	XL045	n	
	Moosonee	XMN43	-	
	Smooth Rock Falls	XL076 XLN208		
	Nellie Lake	XLN209		
	Kettle Lakes Park	ALITZUS		
SWASTIKA	Swastika	XLN68	4535	46,62
OHAGI AM	Elk Lake	XLN72	ti .	
	Matheson	XLS54		rt rt
	Larder Lake	XLN95		н
	Matachewan	XLN60		
	Gowganda	XL090		11
	Hills Lake	XL089		
	Englehart	XLR64		9
	Burt Twp. Nursery	XLN212		
NORTH	North Bay	XLN83	4520	46.78
BAY	Temagami	XLN81	n	10870
DAI	Lady Evelyn Lake	XLN42		n
	Latchford	XLN252		H
	McConnell Lake	XLN246		99
	Bear Island	XLN251		95
	Haddo	XLP45		
	Devils Lake	XLN253		"
	Field	XLN247		,
	Samuel de Champlain	XLN270		
	Marten River	XLN274		
PEMBROKE	Pembroke	XLN92	45.75	46.86
LEDROKE	Smoke Lake	XLN90	11	
	Brent	XLN91		

PEMBROKE	Stonecliffe	XLN94	47.75	46.86
(Cont'd)	Whitney	XLQ43	19	**
	Achray	XLQ47		19
	Round Lake	XLR40	99	
	Kiosk	XLN50	#	
	Sasajewun Lake	XLN51	n	
	Swan Lake	XLN59	10	
PARRY	Parry Sound	XLN89	4520	46.62
SOUND	Loring	XLN93		W
	Powassan	XMN35		
	Byng Inlet	XLS24		W
	Ardbeg	XMN33		10
	Dorset	XMN34		R
	Bracebridge	XMN75		99
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50	19	TF TF
	Palmer Rapids	XLR41	29	8
	Dacre	XLS23	19	18
	Plevna	XLN53		
	Gilmour	XMN40		Ħ
	White Lake	XLP75		
	Napanee	XLQ31		98
	Green Lake	XLR61	20	я.
	Bon Echo Park	XLN286		**
LINDSAY	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	*	
	Gooderham	XMN27		81
	Orono	XMN29	_	
	Haliburton	XLR43		
	Presqu'ille Park	XLN46		11
	Apsley	XMN44		W
	Ranger School	XLN25	*	
	Darlington Park	XLN280		
KEMPTVILLE	Kemptville	XMN4 1	4775	46.62
	La Rose	XMN51		
	Westport	XL O 54		10
	Fitzroy Park	XLN272		lt .
	Lanark	XL087		
LAKE ERTE	Aylmer	XL052	4775	
J.100 20120	Holiday Beach Park	XLN267	9	
	Wheatley	XLN268	10	
	St. Williams	XMN28		
	Rondeau Park	XLR60	18	
	Pinery Park	XLP90	w	
LAKE	Coldwater	XMN36		46.82
SIMCOE	Severn Falls	XMN37		10
	Honey Harbour	XMN39		9
	Six Mile Lake	XLR85		H
	Angus	XLN269		80
	Sibbald Point Park			
LAKE	Hespeler	XLN271		46.70
HURON	Miller Lake	XLN276		#0.70
HURUN	Owen Sound	XLN41		**
	Owell bould	2111111		"

Alternate Kc/s: 4535, 4775, 4880, 5410, 5499, 9160. Alternate Mc/s: 46.70, 46.74, 46.78, 46.82, 46.86.

^{*} Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.

NEW POLICIES			
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LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

	Samuel Holland		
	Northern District of		
	North America	1764-1801	Surveyor-General
	Sir D. W. Smith	1801-1805	Surveyor-General
	C. B. Wyatt	1806-	Surveyor-General
	Thomas Ridout	1807-1829	Surveyor-General
	Hon. S. P. Hurd	1832-1835	Surveyor-General
	J. Macaulay	1836-1838	Surveyor-General
	Hon, R. B. Sullivan	1838-1840	Surveyor-General
	Thos. Parke	1841-1845	Surveyor-General
*	G. B. Kirkpatrick	1880-1917	Director of Surveys
*	L. V. Rorke	1918-1928	
+			Director of Surveys
ř	L. V. Rorke	1928-1936	Deputy Minister/
			Surveyor-General
1	C. H. Fullerton	1936-1946	Surveyor-General
	F. W. Beatty	1946-1962	Surveyor-General
	Robert G. Code	1962-	Surveyor-General
			Bul veyor -General

- * Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.
- † Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.
- ‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning and Engineering Sections were added in 1962.

Robert G. Code was appointed Surveyor-General on June 8th, 1962

LANDS AND SURVEYS BRANCH

Chief: R.G. CODE

LANDS SECTION

Supervisor: J. W. Giles

Management of public lands including lands under water. Disposal by sale, patent, vesting order, quit claim deed, lease, licence of occupation or land use permit for many private, commercial, industrial, municipal or public uses; release of reservations in patents, assignments, cancellations. Reservation of land for parks, access points, other public and governmentuses.

SURVEYS SECTION

Supervisor: S.B. Panting

Surveys and descriptions on Crown lands for parks, Base and Meridian lines, summer resort and recreational purposes, lands for acquisition or disposition. Retracement surveys and restoration of original Crown survey points.

Inspection, recording and custody of original plans and field notes of Crown and Municipal surveys.

Map compilation. Authorization of Geographical Names.

Distribution of maps, publications and copies of survey records.

Accounts payable, supplies and equipment.

ENGINEERING SECTION

Approval of dams, Licences of occupation for dams, flooding and diversions.
Water resource management, Issuance and servicing of Water Power Lease Agreements.
Plans for buildings, renovation of plant and equipment. Engineering consultations, Access Roads,

LAND USE PLANNING SECTION Supervisor: E.L.Ward

Supervision of the preparation of Land Use plans, Wildemess Areas, Advisory Committee on Recreational Land Use Planning, Private Lands Liason Committee.

LAND ACQUISITION SECTION

Recommendations and applications for purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818		single front
1787-1813	1 2	front and rear
1818-1829	_	double front
1829-1851	-	2, 400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square -
		no road allowances -
		Townships divided into 36
4000		sections.
1872		Townships 6 miles square -
		no road allowances -
		6 concessions and 12 lots.
1876	- 1 1	Townships - similar
		manner to Dominion Land
		Survey system - 36 sections
		with 1-1/2 chain road
		allowances around each
		section,
1906	- '	1,800-acre blocks.

Since the first township was surveyed in 1783, more than 1, 100 townships have been surveyed and divided into lots and concessions. In addition, the boundaries of 1, 300 unsubdivided townships have been surveyed.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 175 township subdivision surveys have been annulled, as of Nov. 30th, 1963, under the provisions of Section 10 (1) of the Public Lands Act; the first annullment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The request for land for recreational use has increased greatly since 1948. To ensure orderly development, the Department adopted the policy of zoning areas for various uses and restricting the disposition of land for recreational purposes to areas accessible by public roads or railroads. Up to twenty percent of the shoreline is reserved for public and future use.

The present policy is to sell land in accordance with registered Plans of subdivision. From February, 1959, to Nov. 30th, 1963, 546 plans of subdivision for summer resort purposes have been registered; they cover 6,699 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284, 906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. The total installed capacity of power plants under lease and in service is 4,654,820 horsepower. The installed capacity of plants not under lease from the Province (including Niagara plants) is 3,559,900 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

LANDS SECTION

The Lands Branch of the Provincial Administration cam into being in 1827 with the establishment of the Departmen of Crown Lands under the Hon. Peter Robinson. Before tha date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timbe was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization, Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of th Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept, to provide land for agricultural purposes. Large area of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed, If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met,

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

LAND USE PLANNING SECTION

Created in 1958 to supervise and co-ordinate the functioning of land use planning, Recommendations for the establishment of Wilderness Areas including Nature Reserves are processed. The Recreational Land Use Planning Advisory Committee was established by Order-in-Council to advise on recreational planning in the departmental administrative districts. The Private Lands Liason Committee is a joint committee with the Department of Agriculture to deal with common problems.

LAND ACQUISITION SECTION

Created in 1963 this section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses,

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap.8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement, All patents of this land included the pine trees provided the land was not under timber licence,

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April 1869, and March, 1918. After March, 1919, all trees were reserved.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

77

*Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

† National Topographic (except for official use) are for resale, including Dominion and Provincial N.T.S. sheets

DISPOSITION OF LAND BY PATENT - DOCUMENTS

in years ending March 31st (October 31st up to 1934)

				Town,			
	Free	Agri-	Summer	City	Quit		
Year	Grant	cultural	Resort	Townplot		Misc	Total
1921	500	307	30	30			867
1922	460	328	12	50			850
1923	411	471	18	51			951
1924	357 367	399 329	22 45	73 115			851 856
1925	30/	329	45	113			630
1926	367	392	24	102			885
1927	251	336	12	110			609
1928	255	252	26	99			632
1929	220	318	15	79			632
1930	245	460	122	74			901
1931	205	437	126	72			840
1932	151	357	129	70			707
1933	88	188	122	70			495
1934	154	173	112	69			528
1935	46	58	44	21			177
1936	162	187	101	68			530
1937	111	104	149	53			433
1938 1939	165 130	213 178	165 129	53 122			603 590
1940	151	148	106	106			527
1740	101	140	100	100			327
1941	154	172	126	86			552
1942	131	137	98	85			474
1943	181	161	127	50			541
1944	218	359	231	76			954
1945	226	315	206	108			929
1946	216	321	277	130			1,049
1947	168	433	496	249			1,491
1948	164	299	446	153			1,062
1949	107	225	756	146			1,421
1950	196	316	1,046	182			1,927
1001	150	256	1 105	1.42			3 0 40
1951 1952	150 165	256 242	1,125	143 90			1,849
1953	120	256	1,263	126			1,948
1954	136	256	1,312	99			1,957
1955	87	188	1,479	70			1,987
							-,,,,,
1956	59	118	1,384	85			1,778
1957	40	126	1,164	7			1,469
1958	13	150	962	69			1,346
1959 1960	36 44	118	1,220	104			1,587
1700	77	109	1,740	102			2,368
1961	29	108	1.841	94			2,231
1962	25	94	2,234	108	40	158	2,659
1963	30	84	1,418	106	23	146	1,807

DISPOSITION OF LAND BY PATENT - ACREAGE

in years ending March 31st (October 31st up to 1934)

	Free	Agri-	Summer	City, Town	Quit		
Yea	r Grant	cultural		Townplot	Claims	Misc.	Total
192	1 60,181	31,391	155	49			91,776
192			70	90			108,093
192			55	45			
192			72	25			111,403
192			101	31			101,991
	77,220	41,///	101	31			91,137
192		47,493	58	35			94,701
192			31	37			76,276
192			55	127			67,154
192			31	34			71,285
193	0 33,243	51,059	400	112			84,814
193	1 27,310	49,310	526	135			MM 003
193			360	81			77,281
193			378	612			60,051
193							36,439
193			366	18			42,837
173	5 5,707	7,329	128	10			13,282
193	6 21,340	22,999	349	43			44,777
193	7 14,658	12,331	423	24			27,523
193			402	122			48,418
193			523	130			40,817
194			522	126			36,279
	,	27,200		120			30,477
194		20,154	469	20			36,849
194	2 14,973	15,798	361	31			33,308
194	3 20,387	18,615	422	18			41,430
194	4 28,611	43,846	660	32			76,920
194	5 29,266	36,308	1,526	50			70,993
							,
194		36,683	781	130			74,158
194		52,190	1,765	175			89,072
194		32,930	1,154	166			56,369
194		26,435	1,985	67			55,979
195	0 24,287	35,484	2,616	112			118,960
195	1 19,826	28,105	2,205	94			55 702
195		26,474	3,364	38			55,702
195							58,606
195		29,319	2,287	69			54,738
		29,124	2,169	63			55,237
195	5 21,266	21,266	2,438	27			40,020
195		12,206	1,588	1,613			29,183
195		14,883	1,411	830			27,558
195	8 1,847	15,472	1,350	323			24,612
195		12,206	1,588	52			21,060
196		11,380	2,011	295			29,970
104	1 2 707	11 (22	1 022	100			22 202
196		11,633	1,933	182	2 400	4 00-	22,388
196		10,267	2,415	63	3,409	4,091	22,915
196	3,939	9,512	1,494	65	1,387	4,863	21,260

Year	Sales	Acres	Cancellations	Acres	Assignments	Acres	Patents	Acres	Surveys
1944	344	1,180	11	25 20	80	15.5	231 206	1,525	330
10 h m 0 c	535 666 700 1,010	1,411	11 26 45 45 45 45	35 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	HWW44	32 186 139 107	77244 77244 75644 7564	781	358 388 692 1,199
951 953 954	1,360	2,7484 2,7484 2,1278	7382 7	112 148 183 447	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	94 319 127 72	1,121 1,294 1,294 1,364 1,364 1,364	10,373 10	1,737
	1,278 1,176 714 1,344 2,155 2,418	1,871 1,614 958 1,678 2,517 2,345	108 108 36 33 33	166 124 124 53 49	28 113 19 29	117 117 123 233 25	1,479 1,184 1,164 1,220 1,946	2,438 1,411 1,350 1,588 2,010	1,670 1,269 2,083 2,660 2,307
1961 962 963	1,557	1,543	55 25	77 29	11223	25.58 8 65.58	1,840 2,234 1,418	1,929 2,415	2,935 2,577 1,374

AGRICULTURAL LAND SALES in years ending March 31st

Tear	No. of Sales	Acres	No. of Cancellations	Acres	No. of Assignments	Acres	No. of Patents	Acres
1944	325	31,934	445	39,615	177	20,124	359	43,845
1946	281	26,535	438 338 503	42,933	162 222 185	17,464 22,801	321 433 299	36,683 52,189
1948	277	28,740 26,671	378	32,452	105	12,145	316	35,483
1951 1953 1954	195 223 186 144 158	19,228 24,420 21,965 14,534 15,232	221 243 131 161	22,134 13,358 21,645 13,049 17,377	60 70 80 80 80 80	7,673 7,313 7,560 4,484 4,131	256 256 256 188	28,104 26,474 29,319 29,123 21,265
1956 1957 1958 1959	117 82 101 101 68	12,230 8,683 10,543 10,607 6,758	184 191 174 141 59	18,513 19,038 17,087 13,788 5,788	26 12 3	3,008 1,461 807 1,227 211	148 126 150 110	17,892 14,882 15,471 11,644 10,980
1961 1962 1963	35 10 5	3,808 1,102 284	9 80 EV	9,133 5,892 5,868	51 4 5	1,531 330 446	108 94 84	11,633 10,267 9,512

FREE GRANT LAND in years ending March 31st

Acres Patented	28,610	26,068 21,668 22,119 14,360 24,287	19,826 21,411 16,131 17,713	7,501 6,089 6,483 4,658 5,911	3,701
Patents	218	216 168 164 107 196	150 165 120 136 87	8 4 4 6 4 8 8 8 4	22.9
Acres	11,310	14,214 15,523 8,415 7,085 7,200	7,747 3,060 3,452 1,005	\$17 151 156 160 50	156
Assignments	89 116	120 1220 544 52	56 37 19 7	판매터 H H	n ; ;
Acres	64,783	61,459 51,906 48,578 30,536 40,732	35,371 19,785 21,874 30,784 25,755	12,661 8,727 6,950 4,689 4,597	5,033
Cancellations	528 678	3 4 4 4 5 3 8 6 3 3 9 5 3 6 6 3 9 5	289 159 181 250 209	111 78 60 84 483 88	89 13 14 7
Acres	2,694	5,737 8,243 8,649 5,872 6,192	3,608 3,411 4,655 2,757 1,823	2,708 878 796 462 386	0 0 0
Locations	20 21	9 K C 9 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	174678	08044	;::
Year	1944	1946 1947 1948 1949 1950	82 1952 1953 1953 1954	1956 1957 1958 1959 1960	1961 1962 1963

LAND USE PERMITS in years ending March 31st

1			b 10 - 101-1	10 4 = 1 = 1	m 0 m 0 m	00 m 00
	Total	16,466	17,207 18,955 22,458 15,846	19,03! 16,03] 21,20] 18,128	30,32 29,665 34,47 36,74	29,899 32,903 37,078
	Total No.	1,241	1,670 1,888 2,211 2,583 3,270	3,891	2,918 3,059 3,146 3,053 3,440	3,866
	Dept. Houses	• 60	236 330 377 377 50]	1,617	2,543 2,613 2,858 3,121 3,107	3,18 3,06 3,21
	Misc.	31	51 07 70 65	99 00 63 83	453 509 365 416	7 % % 7 % % % % % % % % % % % % % % % %
	Mi		ผ่าดัดเล	N 9 4 10 0	40004	10 At 10
	Boat	31	44 2 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	79 69 102	216 237 252 368 344	255 254 265
	Sugar Bush	٥:	:5444	»: =: «	w w <u>~</u> w w	V 44
	Mill	105	56 97 70 75	131 139 187 180	216 215 184 214 149	158
				44	4444	
	Marsh Hay	76	95 15 57 67	34 34 10 10	36 37 31 45	22
	Agricul- ture	68	138 201 233 129	94888 97488	130 84 79 89 65	48 40 40
	lesidence and Garden	429	398 570 446 386	261 259 224 246	435 459 514 514 503	328 443 441
	rappers Cabin C	30.	31 33 33 18	133	228 279 279	201 216 241
	Trap					
	Hunt	157	321 391 464 543 786	796 866 957 1,064 1,220	1,234 1,248 1,352 1,190 1,689	1,875 2,245 2,163
	Year	1944	1946 1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963
				,		

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

- 1. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.
- 2. JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
- WHITE OTTER LAKE -- 41 acres in District of Kenora -Here is a log castle, perhaps unique, built by a Scottish trapper for
 a bride who never appeared. It also has a typical forest ranger log
 cabin.
- 5. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sloux Lookout, is said to be the lookout where watch was kept for marauding bands of Sloux Indians -- hence, the name of the town.
- 6. ECHO TOWNSHIP -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
- OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.
- 8. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickleana.
- SLEEPING GIANT -- 633 acres in Sibley Township, District
 of Thunder Bay -- A well known point of interest at the head of the
 lakes; a geological formation which resembles the recumbent form
 of a human.
- PORPHYRY ISLAND -- 260 acres in District of Thunder Bay
 This island contains flora which are rare in this area.

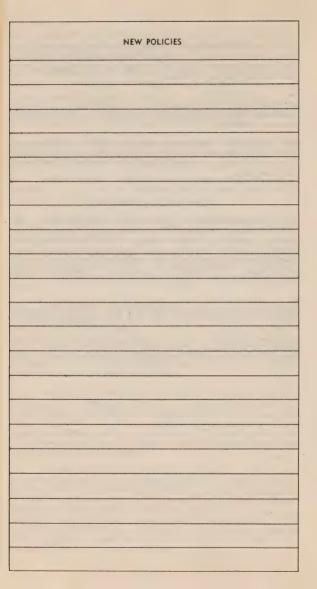
- 12. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
- 13. CAPE HENRIETTA- MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
- 14. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
- 15. ABITIBI NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
- 16. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
- 17. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
- 18. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
- 19. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
- 20. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
- 21. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
- 22. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
- 23. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

- 24. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
- 25. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
- 27. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
- 28. RONDEAU PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
- 29. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
- 30. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
- 74. PRESQU*ILE ISLANDS -- 322 acres in Presqu*ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
- 78. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algona -- The site of a Hudson's Bay Company post of historical interest.
- 82. PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
- 83. PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
- 84. PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its march borders.

- 85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.
- 86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.
- 89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

LATER ESTABLISHMENTS

- 88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, Courty of Prince Edward, a gift to the Crown from Mrs. H. J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961, 36th area.
- 80. PUKASKWA-- Approximately 1,000 square miles in the Districts of Algoma and Thunder Bay (White RiverAdministrative District) with Lake Superior forming one-half of its boundary. It is a true wilderness because of its inaccessibility. The scenery, with rough terrain and rushing waters, is outstanding. The area is famous for its hunting, fishing and trapping, Established in 1963, 37th area.



LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without manicipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

CONSERVATION AUTHORITIES BRANCH

THE CONSERVATION AUTHORITIES ACT deals with the formation of authorities, the composition of the Metropolitan Toronto and Region Conservation Authority, the amalgamation and enlargement of authorities, advisory boards, execution committees, the formulating and approving of schemes to be undertaken, apportionment of costs among participating municipalities, and related matters.

THE GRAND RIVER CONSERVATION ACT, 1938, establishes and defines the powers and authority of the Grand River Conservation Commission.

LAW BRANCH

Supervisor: G. H. FERGUSON SOLICITOR: S.J. ANTONETTE PATENTS OFFICE Head Clerk: B.P. Foster SECRETARY Stenographic Staff

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; fish sanctuaries; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farm-hunter relations.

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT, 1955, is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fisheries Act.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research, etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee, the Surveyor-General, is a member of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:— the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE KILLARNEY RECREATIONAL RESERVE ACT, 1962-63, establishes the reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26th, 1959, 37 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Believille, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 and rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is 50 cents per day or \$3.00 for the season. Campsite charges are \$1.00 per day. (The seasonal admission is valid for any provincial park or any park of the Ontario-St. Lawrence Development Commission or the Niagara Parks Commission. This arrangement is approved by the Ontario Parks Integration Board.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the Crown charges are less than \$1,000.00; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive cutting rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps,

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The Board consists of the Chairman of the Niagara Parks Commission, the Chairman of the Ontario-St. Lawrence Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development and their successors from time to time, and any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of provincial parks and parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act and the Ontario-St. Lawrence Development Commission Act.

THE PARKS ASSISTANCE ACT provides financial assistance to municipalities (including certain Indian Bands) in the establishment of parks to be maintained and operated in such manner as will be complementary to provincial parks. On the recommendation of the Ontario Parks Integration Board and with the approval of the Lieutenant-Governor in Council, assistance is given by the Minister of Lands and Forests up to 50 per cent of the total cost or \$50,000 whichever is the lesser.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is C. H. Fullerton, formerly Surveyor-General, with R. G. Code, presently Surveyor-General, as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

- (a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;
- (b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.
- (c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and
- (d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

LAC SUEL WATER DIVERSION- February 28th, 1928
The Province constructed a water dam at the outlet of
Lac Suel. Total Cost: \$833,919.19.

Under the Agreement:

- Three-fifths of cost contributed by Canada, \$500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution, As water power is developed 79,37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

- 2. LAKE OF THE WOODS STORAGE- November 15th, 1922
 An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The Agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:
 - (1) Canada 33.333333 per cent- for navigation.
 - (2) Ontario 11.4871785 per cent- for power head.
 - (3) Manitoba 55.1794882 per cent for power head.

Ontario was to pay its apportioned share of the cos of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed agenerating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease aggrement for White Dog Falls.

 USE OF BECKWITH ISLAND FOR GROUSE RESEARCH October 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

- 4. FOREST RESEARCH, Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued, Provision is made for:
 - Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to providwater at Maple;
 - (2) Canada provides research personnel and equipment for the laboratories;
 - (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committee;
 - (4) Result of studies, advice and assistance will be available to Ontario;
 - (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories;
- WEATHER OBSERVATION SERVICES- Pickle Lake Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month, ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of and Forests maintains the road in summer and winter.

7. FUR MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a tenyear period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reservee on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Canada, Canada may appoint a liaision officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for developement as wetlands, or for forestry or multiple use, or for the establishment or processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE CANADA FORESTRY ACT

By an agreement dated April 5th, 1962, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1964, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

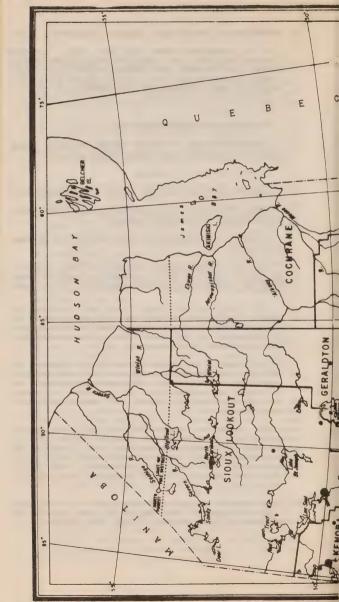
- (a) Forest inventory- 50 per cent
- (b) Reforestation of Crown Lands, including lands of public authorities under control of the province.
 - (i) \$15 per unit for planting;
 - (ii) \$2 per unit for seeding without ground preparation;
- (iii) \$4 per unit for seeding with ground preparation, (scarification or controlled burning):

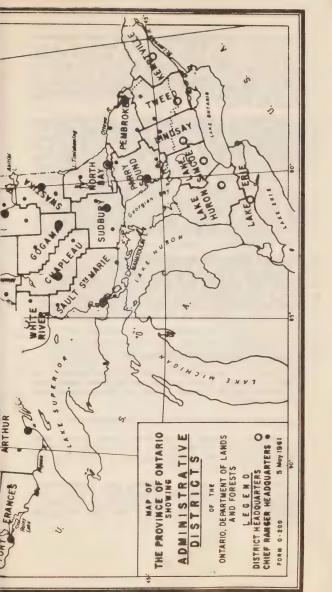
A unit is the planting of 1,000 trees or the seeding of an acre.

- (c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects- 50 per cent.
- (d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products-50 per cent.
- (e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection-50 per cent.

The maximum annual payment shall not exceed \$1,650,018, of which sum not more than 60 per cent may be claimed for projects other than access projects. Additional assistance may be paid if other provinces do not qualify to receive their full allotment of the sum of \$7,910,000 which the federal government is spending on these programmes.

 AGREEMENT UNDER THE FORESTRY ACT (Ontario) By an agreement dated August 16, 1961, between the Minister of Lands and Forests and the National Capital





Commission, the Commission leased the lands described in schedule "A" of the agreement, being part of the Commission's land acquired under the National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1,1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to be reviewed following April 1,1963 and in every second year thereafter.

10. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Coordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- (1) Lamprey research and control in Lake Superior, In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.
- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem,
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes, Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
 - (3) Hydrographic surveys of a broad general nature on each of the Great Lakes, Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

11. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26,1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualifications and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963-75%; after April 1, 1963-50%. Cost of land and other similar items are excepted.

NEW POLICIES

OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

The appointment of two Assistant Deputy Ministers, J.S. Yoerger and G.H.U. Bayly, on December 1st, 1957, coincided with the separation of the service unit into the Division of Operations and a separate Personnel Section. Re-named Branch in 1959, Operations has four Sections:-

OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for receiving, storage and supply of supplies, equipment, uniforms and printed material.

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

OPERATIONS BRANCH

Chief: P.O. RHYNAS

Assistant Chief: C. V. RICH

OFFICE MANAGEMENT SECTION

Supervisor: M. A. GONTIER

Purchasing, Material Control, Customs, Invoicing, Leased Premises, Office Management, Records, Circular Production, Equipment Inventory, Uniforms

CENTRAL SUPPLY WAREHOUSE

Supervisor: M. TOMS

Housing, Recording, Shipping of Stock, Delivery to Toronto Area Offices

CONSERVATION INFORMATION SECTION

Supervisor: R. V. WHELAN

Gathering, Screening and Producing Information on Conservation of Natural Resources, Compiling and Releasing Minister's Brief, News Releases and Public Appeals, etc.

CONSERVATION EDUCATION SECTION

Acting Supervisor: C. V. RICH

Planning and Presenting to the Public a Complete Educational Programme of Our Natural Resources Through Lectures, 16 mm. Motion Pictures, Television and Exhibit Displays

LECTURE TOURS - Number of Meetings and Attendance

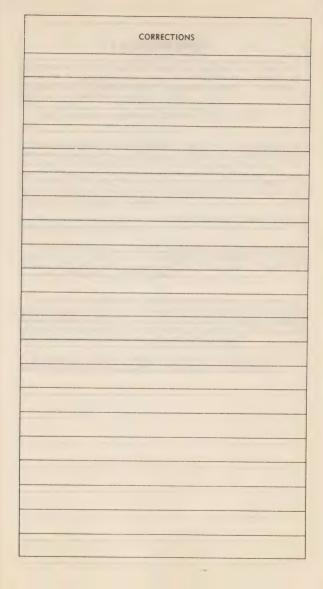
Ontario Forestry Association	83,566	128,052 185,552 119,312 100,650	56,394 68,758 68,832 40,430 61,056	48,756 58,442 46,860
On For Asso	20	1,241	703 674 538 409 484	401 406 374
TMENT	78,471 83,471 159,975 160,989 230,188	156,261 135,183 140,574 185,536 208,642	198,286 220,846 164,347 192,849 251,476	267,701 228,076 272,665
DEPARTMENT	669 782 1,532 1,531	1,588 2,744 2,744 669	2,478 2,680 3,027 3,027	3,341
PUBLIC	24,558 22,481 58,615 71,969 136,293	75,850 84,283 86,895 95,701 116,263	107,746 127,174 97,334 124,703 158,682	187,686 164,119 211,877
PU	246 377 752 655 629	913 1,246 1,223 1,546 1,526	1,402 1,710 1,708 2,196 2,715	3,198 2,533 2,640
зсноог	53,913 50,990 101,360 89,020 93,895	80,411 50,900 53,679 89,835 92,381	90,540 93,672 67,013 68,146 92,794	80,015 63,957 60,788
SC	423 780 876 827	675 702 721 1,196 1,143	1,076 1,261 972 831 1,094	1,026 808 771
Years ending March 31st	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959	1961 1962 1963
		107		

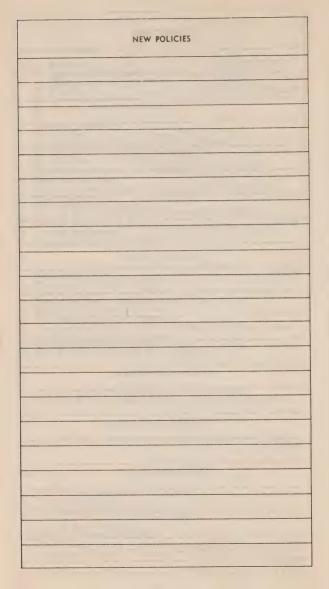
L Publi- cations			1,941,819	1,155,151 1,196,414 1,442,523
PRINTED MATERIAL Parks Permits			271,600	689,000 825,900 1,000,850
PRINT	774,470	802,900 868,300 910,480 1,005,000 1,055,299	1,120,654 1,154,000 1,212,920 1,279,067 1,260,917	1,363,712 1,392,043 1,432,902
Tons of Supp- lies	150	170 175 176 200 470	488 350 218 377	308 253 228
PUBLI- CATIONS	23 23 24 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	8 7 2 5 6 2 7 5 5 6 4 7 5 5 6 4 7 5 5 6 7	92 109 116 133	136 169 103
MENTS Conservation	57: 57	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	10 10 10 10 10 10 10 10 10 10	50
DVERTISEMENTS Adminis- Consertration valion	508 130 60	127 57 74 57 103	99 112 93 139 140	50 52 150
Letters of Enquiry Answered	4,200 6,900 7,700 8,065	7,200 8,100 9,000 7,000	8,400 10,800 14,600 21,010 26,000	29,200 30,000 30,300
Exhibi- tions	3853.	448877 44887	77777	75
Photo Prints Loaned	1,800	1,800 1,800 2,100 1,800 3,500	4,500 6,000 9,200 9,200 9,000	0000,6
35 mm. Colour Slides		750	1,000 1,500 1,800 1,900	3,000
No. Titles Motion Films	40000	38 56 73 89 119	159 178 208 226 226	234 250 264
Years Ending 31st March	1946 1947 1948 1949	1951 1952 1953 1954	1956 1957 1958 1959	1961 1962 1963

*Information supplied by mail. Technical papers not included,

LANDS AND FORESTS PUBLICATIONS as of December 31,196
Code (Not including technical publications listed in 0-18
CA CONSERVATION AUTHORITIES BRANCH
(Descriptions of Authorities) (Conservation Reports)
FW FISH AND WILDLIFE BRANCH
1. Sport Fishes of Ontario (Colour chart)
12. Summary of Ontario Hunting Regulations (poster
 Ten Commandments of Gun Safety Why Hunter Safety Training? Fishes of Ontario\$2,50
FP FOREST PROTECTION BRANCH
 Dutch Elm Disease in Ontario Operation: Survival in the Woods (juvenile) The Forest Fires Prevention Act
S LANDS AND SURVEYS BRANCH
1. List of Water Powers\$0.75 2. List of Geographic Townships\$0.50 5. Price List of Lithographed Maps and Plans 6. Summer Resort Lands in Ontario
L LAW BRANCH
1. Complete Set of the 21 Acts administered by Lands and Forests (without binders)\$5.00
O OPERATIONS BRANCH
Meet the Wildlife of Ontario's Outdoors \$0.35 Camping in the Muskoka Region \$2.00 How to Survive in the Woods Early Days in Haliburton \$2.50
5. List of Publications for Distribution 6. The Birch Bark Canoe 7. Administrative Branches Chart
8. Annual Report of the Minister of Lands and Forests Part I: Detailed Part II: Highlights
 A Statistical Reference of Lands and Forests Administration A Teacher's Guide to Forest Conservation
 Common Trees (White Pine, Jack Pine, Spruce, Sugar Maple, Yellow Birch)

12.	Common Birds
	A. Bluebird B. Black-capped chickadee and White-throated Nuthatch C. Flicker D. Evening Grosbeak E. Rose-breasted Grosbeak
16. 17. 18. 19.	A. Beaver B. Black Bear C. Coyote D. Red Fox E. Muskrat The Pointer Boat List of Natural Science Booklets and Their Source
21.	Pulp and Paper in Ontario
PK	PARKS BRANCH
2. 3. 4. 8. 11. 12. 15.	Canoe Routes - Quetico Reptiles of Algonquin Park Provincial Parks of Ontario Provincial Parks in Ontario (Cdn, Geo. Jour. reprint) So You Want to Go Camping?
P	PERSONNEL BRANCH
1 2	Ontario Forest Ranger School (Prospectus) Ontario Forest Ranger School (Information Brochure)
RS	RESEARCH BRANCH
25	. The Glackmeyer Report of Multiple Land-Use Planning
TM	TIMBER BRANCH
8. 9. 10. 11. 12.	The Farm Woodlot Planning for Tree Planting Care and Planting of Forest Trees Forest Tree Planting Manual of Seed Collecting The Forest Trees of Ontario
13.	Fifty Years of Reforestation in Ontario\$0.50





PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with the late W. B. Greenwood as Chief, following the realization of an imminent need for public outdoor recreational space. The organization was named Parks Branch in 1959.

A. B. Wheatley was appointed Chief on April 1st, 1961.

Algonquin, the first provincial park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chapter 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chapter 15. Presqu'ile was established by the Presqu'ile Park Act, 12 George V, Chapter 39. Long Point was established by the Long Point Park Act, 2 George V, Chapter 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Orders-in-Council, 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957. Ten were returned in the year ending March 31st, 1960.

Within the responsibility of providing provincial parklands is the provision of certain facilities which are necessary for public use and enjoyment. With few exceptions, the emphasis is placed upon the natural environment as much as possible. Planning and development are related to the natural surroundings.

In certain provincial parks, programmes of interpretation and exhibit centres indicate and explain significant park features.

PARKS BRANCH

Chief: A.B. WHEATLEY

DEVELOPMENT SECTION

Supervisor: T.W. Hueston

PLANNING SECTION

Supervisor: A.R.K. MacDonald

INTERPRETIVE SECTION

Supervisor: A. F. Helmsley

OFFICE MANAGEMENT SECTION

Office Manager: T. M. Van Dusen

SPECIAL PROJECTS

C. R. Tilt

Secretary

Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

Year	No. of Parks	No. of Vehicles	No. of Campers	No. of Visitors
1956	21		0/ //1	
1957	39	629,666	86,641	*******
			162,705	2,114,661
1958	45	927,871	276,128	3,232,460
1959	55	1,420,180	479.069	5,127,199
1960	63	1,552,662	592,103	5,692,978
1961	77	1,725,876	862,559	6,215,370
1962	82	2,182,116	1,058,203	7,822,549
1963	86	*****	1,198,573	8,526,443

ATTENDANCE AT INTERPRETIVE PROGRAMMES

Year	No. of Parks		Nature Trails	Conducted Hikes	Lectures	Child Camps
1950 1951 1952 1953 1954 1956 1957 1958 1959	1 1 2 2 3 3 3 5 6 6 6 8 9	200 53,843 72,839 75,711 91,246 119,200 146,681 217,672 298,129*	6,173 5,390 14,341 12,761 18,920 25,388 23,125 26,855 40,617 38,771 46,679	363 413 752 952 1,353 1,927 2,015 2,824 3,973 5,782 6,958	1,230 1,473 2,059 5,171 7,521 6,996 8,912 10,760 14,799 21,820 23,828	870 958 1,140 2,193 1,448 1,815 1,949 2,790 2,168 468
1961 1962 1963	8 12 11	311,291° 374,475° 371,275*	46,955 55,553* 61,647*	7,104 9,748 10,949	28,726 46,301 49,948	900 1,340 1,195
Algonqui Nancy Is Pres qu'i Quetico Rondeau Sibbald Sibley. Inverhur Lake Su Kap-Kig Pinery.	Point on perior	238,732* 21,169 19,869 8,234 30,529 22,244 30,498*	44,452 3,167 678 1,0003 8,5003 2,2503 1,6003	343	20,077 7,340 1,896 2,700 4,590 2,860	1,195

^{*} Estimated; all other figures are actual count.

Does not include wilderness campers.

86 PROVINCIAL PARKS IN OPERATION IN 1963

VISITORS 1963	11,704	15,844 65,311	41,358 15,759 84,357	24,659 11,310 73,862 85,515 30,080	16,102	20,959	94,596 206,921 106,393 44,503
CAMP CAMPERS VISITORS UNITS 1963 1963	3,337	2,232 5,912	9,740 1,680 7,114	10,349 2,686 5,624 9,000	5,350	4,271	9,024 19,126 19,586 6,825
CAMP	87	20	86 87 115	140 150 150 65	06	80	250 194 196 28
AUTHORITY UNDER WHICH ESTABLISHED	O, Reg. 251/58	O. Reg. 117/63 O. Reg. 117/63	O, Reg. 204/60 Order-in-Council	O, Reg. 204/60 O, Reg. 204/60 O, Reg. 117/63 O, Reg. 117/63	O, Reg. 144/57	O, Reg. 117/63 O, Reg. 144/57	O. Reg. 117/63 O. Reg. 117/63 O. Reg. 117/63 O. Reg. 204/60
AREA DATE (ACRES) ESTABLISHED	Sep 29,1958	May 21, 1963 May 21, 1963	Jul 22, 1960 Apr 1, 1909	Jul 22, 1960 Jul 22, 1960 May 21, 1960 May 21, 1963	Jun 25, 1957	May 21, 1963 Jun 25, 1957	May 21, 1963 May 21, 1963 May 21, 1963 Jul 22, 1960
AREA DAT (ACRES) ESTABLIS	1,010	10,560 2,304	246 2,127 1,148,800	3,353 210 200 277 900	1,280	11,878	434 130 78 13
DISTRICT PARK	CHAPLEAU Five Mile Lake	COCHRANE Greenwater Kettle Lakes	FORT FRANCES Caliper Lake Lake of the Woods Quetico	GERALDTON Blacksand, Klotz Lake, MacLeod Lake Rainbow Falls	GOGAMA	KAPUSKASING Nagagamisis Remi Lake	KEMPTVILLE Fitzroy Rideau River. Silver Lake South Nation

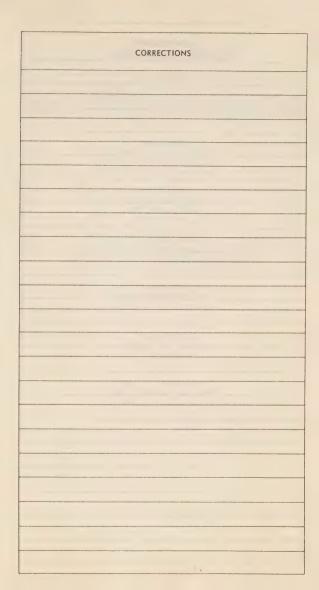
DISTRICT PARK	AREA DATE (ACRES) ESTABLISHED	AUTHORITY UNDER WHICH ESTABLISHED	CAMP	CAMP CAMPERS VISITORS JNITS 1963 1963	VISITORS 1963
KENORA Aaron Rushing Rive Sioux Narrow Blue Lake	124 Sep 29,1958 395 Sep 29,1958 284 Jun 25,1957 176 Jul 22, 1967	O. Reg. 251/58 O. Reg. 251/58 O. Reg. 144/57 O. Reg. 204/60	59 100 60 100	10,772 15,320 5,485 10,052	46,972 67,021 36,620 31,867
LAKE ERIE Clay Creek Holiday Beach Long Point Pinery St. Williams Rock Point Ron deau Tukey Point John E. Pearce Fort Bruce.	24 May 21, 1963 205 Jun 24, 1958 109 Jun 24, 1938 848 May 3, 1921 4,333 Oct 11, 1957 5,504 May 5, 1894 Apr 21, 1959 62 May 21, 1959 28	O. Reg. 117/63 O. Reg. 254/58 Order-in-Council (Act- See above) O. Reg. 229/57 O. Reg. 144/57 (Act- See above) O. Reg. 70/59 O. Reg. 117/63	2568 3268 1,075 1,075 422 509	223,076 26,0843 27,8,72 27,8,72 20,004 20,005 30,005	222,010 1259,227,010 209,386 355,946 25,2433 257,2433 277,181
LAKE HURON Craigleith, Inverduron. Sauble Falls. LAKE SIMCOE Bass Lake. Bevils Glen. Earl Rowe. Sibbald Point Six Mile Lake. Springwater. Wasaga Beach.	27 85 14 732 495 177 862 117 87 1963 117 87 11963 117 87 11963 117 11963 117 11963 11963	O. Reg. 144/57 O. Reg. 117/63 O. Reg. 251/58 O. Reg. 251/58 O. Reg. 117/58	171 324 146 154 20 20 70 650 140	16,6661 17,1240 17,1240 13,082 48,5442 16,524 16,525	57,600 174,487 103,942 81,215 82,579 316,667 1109,157 789,746

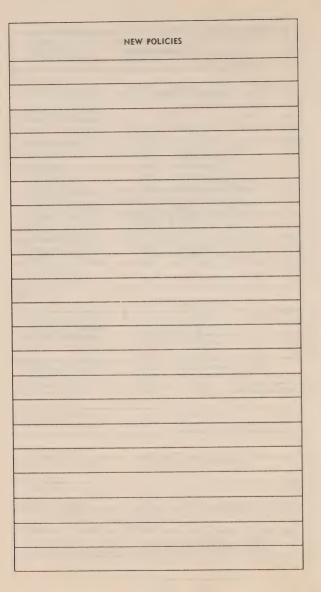
DISTRICT PARK	AREA	AREA DATE ACRES ESTABLISHED	AUTHORITY UNDER WHICH ESTABLISHED	CAMP	CAMPERS 1963	CAMP CAMPERS VISITORS UNITS 1963 1963
LINDSAY Darlington Emily. Mark S. Burnham. Presqu'ile Serpent Mounds.	295 67 101 2,170 1,040	Oct 30, 1959 Jun 25, 1957 Jul 26, 1955 May 18, 1922 Jun 25, 1957	O. Reg. 253/59 O. Reg. 144/57 O. Reg. 148/55 (Act- see above) O. Reg. 144/57	300 88 88 500 95	15,952 19,799 39,979 16,392	108,748 148,443 19,371 286,695 103,920
NORTH BAY Antoine Finlayson Point Marten River Samuel de Champlain	23 75 766 1,444	May 21, 1963 May 21, 1963	O, Reg. 117/63 O, Reg. 117/63	30 114 240 224	2,084 9,605 19,988 10,569	16,989 47,474 109,823 49,675
PARRY SOUND Grundy Lake Oastler Lake Killbear Point Miklsew Sturgeon Bay Restoule	6,310 2,334 2,334 1,417	Apr 21, 1959 Jul 22, 1960 May 21, 1963	O. Reg. 70/59 O. Reg. 204/60 O. Reg. 117/63	140 140 607 123 252	33,980 16,985 36,044 12,288 8,194 5,526	144,074 139,931 215,931 65,105 30,195 15,035
PEMBROKE Algonquin Carson Lake Driftwood	1,862,144 15 655	May 27,1893 May 21, 1963	(Act- see above) O. Reg. 117/63	1,298 44 82	119,464 5,571 9,643	470,661 5,146 12,671
PORT ARTHUR Inwood Sibley Kakabeka Falls	45,120 891	Sep 29, 1958 May 21, 1963 Jul 22, 1960	O. Reg. 251/58 O. Reg. 117/63 O. Reg. 204/60	202 202 69 20	13,361 16,660 26,352 8,504	21,634 47,650 371,373 52,751

CAMP CAMPERS VISITORS UNITS 1963 1963	70,035	6,917	54,546 122,612 16,281 3,415	26,211 25,388	57,238 38,014 299,665 14,394 98,547	70,511	8,526,443
CAMPERS 1963	32,088	1,854	14,516 5,576 8,471 600	4,727	11,328 5,784 28,384 25,049	29,211	13,951 1,198,573
CAMP	288	51	126 58 17 27	136	200 60 265	215	13,951 1
AUTHORITY UNDER WHICH ESTABLISHED	Order-in-Council	O. Reg. 117/63	O. Reg. 144/57 O. Reg. 88/59	O. Reg. 144/57 O. Reg. 117/63	O. Reg. 117/63 O. Reg. 144/57 O. Reg. 117/63	O, Reg, 117/63	
AREA DATE (ACRES) ESTABLISHED	Jan 13, 1944	May 21, 1963	Jun 25, 1957 Apr 4, 1959	Jun 25, 1957 May 21, 1963	May 21, 1963 Jun 25, 1957 May 21, 1963	May 21, 1963	
AREA (ACRES	710 400 333,632 90,000	6,130	85 293 235 app, 90,000	7,680	256 256 262 1,200 1,460	3,980	3,696,459
DISTRICT PARK	SAULT STE, MARIE Pancake Bay Batchawana Lake Superior. Mississagi	SIOUX LOOKOUT Pakwash Ojibway	SUDBURY Fairbank, Windy Lake Chutes, Killamey	SWASTIKA Esker Lakes Kap-Kig-Iwan	TWEED Black Lake	WHITE RIVER White Lake Obatanga,	TOTALS FOR 86 PARKS

27 PROVINCIAL PARK RESERVE AREAS, 1963

DISTRICT Reserve Area	AREA Acres	LOCATION
CHAPLEAU Sand Shoals	15,360	Peters, Cosens, Topham, Triquet Twps.
COCHRANE Pierre, Montreuil Harris Lakes	46,000	McQuibban, Swartman Twps.
GERALDTON Esnagami	38,000	Esnagami, Alpha,
Steel River Partridge Lake Lukinto Lake Femow Lake Steel Lake Purgatory Chutes Roslyn Lake Kama Bay	2,700 6,500 2,250 20,000 51,000 100 31,000 1,750	Rupert Twps. Part Twp. 81 Legault, Colter Twps. Part O'Meara Twp. Part Fernow Twp. (Unsubdivided) Pagwachuan River (Unsubdivided) Twps. 88, 89, 91.
KAPUSKASING Nagagami Lake Rogers Twp	4,085 1,510	Nagagami Twp. Rogers Twp.
KEMPTVILLE Murphy's Point	800	North Burgess Twp.
KENORA Pipestone	3,425	Manross Twp.
LAKE SIMCOE Symington property Kettle property Little Lake	85 1,500 100	Mara Twp. Tiny Twp. Vespra Twp.
LINDSAY Red Pine Lake Silent Lake Bottle, Sucker	3,700 6,455	Part Sherborne Twp. Part Cardiff Twp.
Lakes	3,800	Anstruther, Cavendish Twps
NORTH BAY Mashkinonje (1) W.B. Greenwood	2,543 15,500	Haddo Twp. Gillies Limit, Brigstocke, Banting, Best Twps.
PORT ARTHUR Sil ver Falls Arrow Lake (2)	8,800 100	Forbes, Fowler Twps. (Unsubdivided)
SWASTIKA McCann Twp	640	McCann Twp.
WHITE RIVER Kawapitapika Lake	2,800	Part Leslie Knowles Twp.
TOTAL	270,503	
(1) Established May (2) Established June	21, 1963, 25, 1957	under O. Reg. 117/63, under O. Reg. 144/57





PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

Recruitment
Transfers and Promotions
Courses and Educational Leave
Grievances, Discipline

Classification Class Specifications Job Descriptions Salary Surveys

Personnel Records Nominations, Separations, Renewals Permanent and Temporary Appointments Annual Increments, Attendance

> Junion Ranger Programme Safety and First Aid Workmen's Compensation

Transfers and Promotions
Establishments
Control of Casuals
Job Advertising
Staff Appraisals

Special Assignments
Staff Replacement Needs
Comparative Salary Surveys
Job Descriptions
Recruitment of Professional Staff.

NUMBER OF EMPLOYEES in years ending March 31st

WORKMANS COMPENSATION

Vaan	Perm- anent	Temp	Mon- thly	Total	Casual*	Claims	Cost
Year	anent	Orary	tilly	10001	Casua		
1943	304	218		522	339		
1944	310	268		578	397	98	\$ 12,850
1945	324	305		629	929	120	14,540
1945	347	303	•••	027	,-,	120	
1946	373	318		691	573	129	14,249
1947	523	562		1.085	527	182	21,560
1949	1,167	196		1,363	562	494	35,989
1950	1,352	157		1,509	580	501	50,989
1300	1,002	101	•••	2,007			
1951	1,420	141		1,561	617	394	43,951
1952	1,441	181	•••	1,622	790	368	54,158
1953	1.518	158		1,676	680	417	51,169
1954	1,546	175		1,721	633	494	64,693
1955	1,618	142		1,760	727	455	63,357
1933	1,010	147	•••	1,,,,,			
1956	1,611	180		1,791	655	910	106,962
1957	1,583	175		1,758	929	588	85,159
1958	1,685	134		1,819	3,209	727	101,376
1959	1,759	113		1,872	2,750	874	132,572
1960	1,946	90		2,036	1,224	687	150,709
1700	1,540	70	• • • •	-,500	_,		
1961	2,096	121	320	2,537	1,734	649	130,210
1962	2,348	189	44	2,581	1,059	771	120,384
1963	2,368	181	40	2,589	701	640	171,802
1903	2,308	101	70	2,309	,01	0.10	2,1,00.

^{*}Does not include extra fire fighters.

ON STAFF

NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st

Licensed	Ranger School		Forest-	Biolo-	Civil		
Scalers	Grads	Year	ers	gists	Engrs	Others	Total
		1943	56			19	75
		1944	45	• •		13	58
	• • •	1945	54	• •	* * *	29	83
		1946	55	• •		14	69
		1947			• •		
		1949	85	18	2 4	10	115
		1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5 5	16	205
381	293	1953	166	. 33	5	16	220
391	331	1954	172	36	6 5	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	16	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

1958	5.2 7.0	24	14	29	36	34	25		35	36	34	36	64	13	46	24		49	564
1957	90	35	14	48	38	28	11		48	35	42	13	73	13	51	24		39	550
1956	39	39	16	27	27	33	10	:	38	46	48	24	75	11	92	43		62	614
1955	46	45	14	24	43	43		46	38	25	5.1	00	53		42	11	26	42	557
1953 1954 1955	40	39		35	34	32	10	29	38	20	42	11	09	19	24	31	32	28	524
1953	26	36		15	25	21		25	30	13	35	15	37	21	23	27	29	23	403
1952	23	26		10	21	12		14	22	12	32	13	3,1	12	14	24	24	22	312
1951	15	21		10	12	12		14	21	12	32		20	6	14	24	15	11	242
1950	14	25		10	15	14	11	15	27	18	42	•	20	•	16	32	18	12	289
1944 1945 1946 1947 1948 1949 1950	:	25			10	10	•	12	26	19	40	•	22	•	26	28	19	:	237
1948	:	12			:	œ		:	21	25	20		13	•	20	00	21		148
1947	:							•	118	12	29	•	11	•	13	•	6	:	92
1946	:				:	:	•	•	12	10	12		10	•	15	•		:	59
1945	:				•		•		13	10		•	10	•	7		•	:	40
1944	:			:	•	:	•		10	11	:	•	•		•	:	•	•	21
DISTRICT	Chapleau	Cochrane	Fort Francis	Geraldton	Gogama	Kapuskasing	Kenora	Lindsay	North Bay	Parry Sound	Pembroke	Port Arthur	Sault Ste, Marie	Sioux Lookout,	Sudbury	Swastika	Tweed	White River	TOTAL

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963
Classic					
Chapleau	37	36	69	88	112
Cochrane	24	25	36	33	57
Fort Francis	23	12	12	24	49
Geraldton	64	46	60	55	94
Gogama					
Gogama	39	37	47	3.5	= -
Kapuskasing	40	36	36	39	56
Kenora	26	13	12	13	62
North Bay	38	26	36		39
2-3	00	20	30	34	73
Parry Sound	37	36	46		0.0
Pembroke	34	24	33	55 37	93
Port Arthur	39	24	25		71
Sault Ste. Marie	63	67		36	132
budit btc. Marie	0.5	0 /	64	6.5	119
Sioux Lookout.	15	13		23	47
Sudbury	39	49	48	57	113
Swastika	26	24	48	40	98
White River	49	35	47		
		93	47	47	85
TOTAL	593	503	619	681	1,300

SUMMARY OF CLASSIFICATIONS

Permanent and Temporary Staff as of November 30, 1963

	Head		Total
GROUPS	Office	Field	Local
Air Engineers	36 15	11 20	47
Air Pilots	19	20	19
Artists, Commercial	1		1
Biologists	18	- 38	56
22020			
Boat Captains		1	27
Communication Technicians	7 2	20 241	243
Conservation Officers	20	241	20
Conservationists Draughtsmen, Cartographers	50		50
Draughtsmen, Cartographers			
Engineers	7		7
Engineers (Stationary)		5	5
Foresters	45	116	161
Forest Rangers	10	650	660
Hatchery Staffs	8	59	67
Maintenance Staffs	10	116	126
Mechanics, etc.	5	. 62	67
Office Staffs	305	297	602
Photography Staffs	13	.4. + + + +	13
Radio Operators	3	22	25
D. Company Con Con Con	1	86	87
Reforestation Staffs	10	5	15
Research Technicians	6	1	7
Safety Officers	2	3	5
Solicitors	1		1
	39	49	88
Supervisory Staff	11	16	27
Supply Assistants Surveyors	6		6
Survey Technicians	3		3
Truck Drivers	3	21	24
		1 000	0.405
TOTAL	656	1,839	2,495
FOREST RANGERS			
Class 5*		20	20
Class 4*	-2	88 197	90 198
Class 3°	1 5	173	178
Class 1	2	172	174
Class 1	_		~ .
CONSERVATION OFFICERS			
Class 6*		8	8
Class 5*	2	13	15
Class 4°		14	14
Class 3*		21 164	21 164
Class 1		21	21
C1433 1			~ ^

ASSISTANT DEPUTY MINISTER

G. H. U. BAYLY

REGIONAL DIRECTORS

R.D.K. ACHESON - - - - - 172 Elm St., West,

Sudbury.

Telephone Osbourne 5-8394

A.S. BRAY - - - - - - Forestry Building,

Port Arthur. Telephone DI-5-6543.

REGIONAL FORESTERS

R. BOULTBEE - - - - - - WESTERN

232 Scott St., Fort Frances.

Telephone BR-4-5337.

R. HYSLOP - - - - - - - MID-WESTERN

Forestry Building Port Arthur.

Telephone DI-5-6543.

R.H. HAMBLY ---- NORTHERN

113 6th Avenue,

Cochrane. Telephone 139.

D. R. WILSON - - - - - SOUTH-EASTERN

Ontario Government Building,

Lindsay.

Telephone 324-6121.

P. ADDISON ----- SOUTH-WESTERN

R.R. 2, Maple.

Telephone Av-5-1171-212.

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles	A	Administrative District Fish & Wildlife Control	let ol		Fire Protection	
as of April 5, 1963)	Land	Water	Total	Land	Water	Total
Chapleau	6,279	633	6,912	6,279	633	6,912
Cochrane	62,522	5,660	68,182	54,026	4,061	58,087
Fort Frances	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton	35,543	9,807	45,350	35,543	9,807	45,350
Gogama	5,931	446	6,377	5,931	446	6,377
Kapuskasing	17,776	750	18,526	17.776	750	18,526
Kemptville	5,351	298	5.649	596	31	627
Kenora	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie	6,905	6,142	13,047	• • • • •		• • • • • • • • • • • • • • • • • • • •
Lake Huron	8,860	6,486	15,346	723	22	745
Lake Simcoe	4.710	1.444	6,154	220	19	239
Lindsay	5,097	1,692	6,289	2,498	217	2,715
North Bay	4,969	887	5,856	4,969	887	5,856
Parry Sound	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke	4,765	410	5,175	4,575	400	4,975
Port Arthur	11.309	2,578	13,887	11,309	2,578	13,887
Sault Ste. Marie	8,167	3,387	11,554	8,024	3,328	11,352
Sioux Lookout	109,016	11,099	120,115	73,402	8,001	81,403

7,781 5,561 4,666 9,451	312,465	akes north
1,243 291 302 3,051	43,477	ncludes the Great Lakes north of the International Boundary.
6,538 5,270 4,364 6,400	268,988	1,124 412,582 Square Miles. This includes the Great Lakes north of the International Boundary.
10,836 5,561 8,736 9,451	411,458	1,124
4,298 291 1,721 3,051	68,490	
6,538 5,270 7,015 6,400	342,968	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Swastika	TOTAL	Manitoulin Island Group Total Area of Ontario

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. Sudbury administrative area includes waters of the North Channel and Lake Huron within the Territorial District of Manitoulin, but it does not include the land area of Manitoulin, Cockburn, Fritzwilliam, Lonely, Great Duck, Western Duck or Barrie Islands.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erle, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Total: 33,696 square miles. Parry Sound, 2,323.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2,120 feet above sea level.

(SEE MAP OF DISTRICTS, Pages 76, 77)

	CHAPLEAU	DISTRICT	
OFFICE: Corner I	Lorne and Beach	Streets.	
	Telephor	ne 51	
District Forester.		- J.	R. Keddie
	SUPERV	ISORS	
Accounts Fish and Wildlife . Forest Protection. Lands Parks Timber			. Tjoelker . Crichton .E. MacPhail .E. MacPhail
Scaling			.C. Mantle
	CHIEF RA	NGERS	
Biscotasing Chapleau			.P. O'Donnell .T. Cecile
D	EPUTY CHIEF	RANGERS	
F.R. Bergin, Cha G. Dingee, Sultar			s, Missanabie s, Chapleau
	COCHRANE D	ISTRICT	
OFFICE: Court Hou	use. Telephone	142.	
District Forester.		- F.	L. Hall
	SUPERVIS	SORS	
Accounts Fish and Wildlife . Forest Protection. Lands		S. G. H. P.	N. Birney Nodwell P. Elliott E. Wright Anslow H. Butts
		3	

CHIEF RANGERS

R. Woodall Low Bush . Cochrane . . Timmins . . C. R. Gray

DEPUTY CHIEF RANGERS

J.D. Bond, Kettle Lake W.J. Froude, Cochrane L.A. Mahon, Nellie Lake R. Patrick, Cochrane

A.E. Ross, Cochrane
I. Stewart, Timmins
K.C. Veitch, Smooth Rock Falls
K.G. Wiskin, Timmins

FORT FRANCES DISTRICT

OFFICE: 232 Scott Street. Telephone Browning 4-5337.

District Forester R. A. Balkwill

SUPERVISORS

Accounts. A. R. Taylor
Fish and Wildlife D. D'Agostini
Biologist.
Forest Protection. H.R.Redding
Surveys and Parks L. Rawn
Reforestation E. L. Kelly
Timber H. Henry
Scaling G. E. Mayhew

CHIEF RANGERS

Fort Frances J. E. Anderson Atikokan. F. Dustak

DEPUTY CHIEF RANGERS

F.R. Dumeney, Rainy Lake
M.J. Kaliska, Atikokan
S.A. Kellar, Rainy Lake
S.V. Roberts, Fort Francis

GERALDTON DISTRICT

OFFICE: 184 Main Street. Telephone 1030.

District Forester. G. E. MacKinnon

SUPERVISORS

Accounts . B. J. Scalzo
Fish and Wildlife E. H. Stone
Biologist J. Goddard (Acting)
Forest Protection. R. V. Brady
Land and Parks A. F. Parker
Timber F. C. Robinson
Scaling A. G. Strey

CHIEF RANGERS

 Longlac
 H. N. Whalen

 Nakina
 J. A. Murphy

 Plays Plat
 A. J. McGoey

 Geraldton
 P. Bellavance

 MacDiarmid
 R. W. A. Koski

DEPUTY CHIEF RANGERS

J.W. Auger, MacDiarmid, K.E. Bowlier, Nakina A.J. Bull, Pays Plat S. Cowan, Geraldton N.A. Grozelle, Longlac J.P. King, Longlac M. Linard, Longlac B. Petman, MacDiarmid E.D. Turner, Geraldton M. Wasylkiw, Geraldton

GOGAMA DISTRICT

D M Deacock

OFFICE: Town of Gogama. Telephone 95.

District Forester

District Forester D. M. Peacock
SUPERVISORS
Accounts . J. D. Petrony Fish and Wildlife . D.J. Gawley Forest Protection. W.G. Taylor Lands . R. Brandes Parks . J. McKnight Scaling . E. Dew
CHIEF RANGERS
Foleyet J.R. Languerand Gogama
W.E. Belisle, Gogama G. Herron, Gogama R.A. Beauchamp, Gogama D.S. Stewart, Gogama
KAPUSKASING DISTRICT KAPUSKASING
OFFICE. Kapuskasing. Telephone Edgewood 5-2231
District Forester D.A. Fawcett
SUPERVISORS
Accounts J.A, Vance Fish and Wildlife
Forest Protection. J.L. Canfield Lands. R.G. Rowson Parks. R.N. Staley Reforestation P. Hare Timber R.A. Baxter Scaling V.M. Silver
CHIEF RANGERS
Kapuskasing. J. H. Clavelle Hearst. L.E. Fleguel Hornepayne L. E. Grife

130

F.J. Labonte, Hearst B.J. Lapenskie, Kapuskasing J.A. Millett e, Kapuskasing G. Poitras, Kapuskasing J.H. Thompson, Hearst

DEPUTY CHIEF RANGERS

P.J. Claes, Homepayne J.G. Duhaime, Hearst H.E. Hutchinson, Oba D.C. Jones, Homepayne G.O. Koistinen, Hearst

KEMPTVILLE DISTRICT

OFFICE: Kemptville, Telephone 258-3411.

District Forester........ W. A. G. Thurston Assistant District Forester. N.D. Patrick

SUPERVISORS F.S. Bumstead N.D. Patrick E. A. Green E.A. Green H. R. Grinnell NURSERY

Kemptville H.H. de Vries

DEPUTY CHIEF RANGERS

D.G. Kennedy, Lanark

KENORA DISTRICT

OFFICE: 213-15 Main Street.

Telephone Homestead 8-9841.

District Forester G. F. Coyne

SUPERVISORS

G. McChesney M. Linklater Fish and Wildlife W.H. Charlton J. Wynd Lands............ H. V. Berg Timber D. J. Vance G. C. Mackey Scaling

CHIEF RANGERS

Kenora J. Mackay N.B. Pigeon

DEPUTY CHIEF RANGERS

K.A. Alexander, Dryden J.K. Cleaveley, Minaki M.L. Frenette, Dryden A.A. Gordon, Nester Falls W.O. Hansson, Dyment

A, Lundmark, Dryden J,G, Minor, Vermilion H,D, Morrison, Nester Falls W, Neculeac, Kenora A.W. Stone, Sioux Narrows

LAKE ERIE DISTRICT

OFFICE: Aylmer West. Telephone Aylmer 8.

District ForesterJ	.W. Lockwood
SUPERVISORS Accounts	G.B. Fewings L.N. Johnston E.L. Skuce K.A. Cameron C.J. Heeney
NURSERY St. Williams	A. A. Russell
Rondeau	J.A. Matheson T.L. Beck

LAKE HURON DISTRICT

OFFICE: R.R. No. 1, Hespeler, Telephone Oliver 8-9356.

District Forester	E.K.E. Dreyer
SUPERVISORS	
Accounts	
Fish and Wildlife	E. Meadows
Biologist	R. E. Mason
Parks	R. W. Jordan
Timber	

LAKE SIMCOE DISTRICT

	LAKE SIMCOE DISTRICT	
(OFFICE: R.R. 2, Maple. Telephone Avenue	5-1171218.
Ι	District Forester	A.W. Leman
	SUPERVISORS	
I	Accounts Conservation Authorities Fish and Wildlife Biologist	J. Carswell W.D. Adlam R.H. Trotter A.A. Wainio
I	Forest Protection.	N.O. Bell
1	Parks	A.D. Selwood S.R. Hamilton
	NURSERIES	
	Angus	W.E. Edwards J. Halpenny
	PARKS	
8	Sibbald's Point	D. R. Cutts
	DEPUTY CHIEF RANG	ERS
	H.D. Cochrane, Sever	n
	LINDSAY DISTRICT	
	OFFICE: Ontario Government Building, Lind Telephone Fairview 4-6121. (Direct line from Head Office)	say.
	District Forester	A.E. Walroth
	SUPERVISORS	
	Accounts	H.C. Wallwin
	Conservation Authorities Fish and Wildlife	H.G. Hooks P.W. Swanson
	Biologist	K. Irizawa
	Forest Protection	B. B. Benson
	Lands	G. Simons
	Parks	P. R. Davidson E. F. Johnston
	Timber	R. A. Quirt
	Dearing	200,210 000000
	CHIEF RANGERS	
	Minden	P.J. Cassidy
	Gooderham	W. Sarginson
	PARKS	
	Presqu'ile	J.L. Hamill'
	NURSERY	
	Orono	
	DEPUTY CHIEF RANGE	
	H.N. Bates, Gooderham J.H. Lever, Lindsay M.J. O'Neill, Minden	t, Apsley lds, Haliburton
	M.J. O'Nelli, Mindell	

133

NORTH BAY DISTRICT

OFFICE: 263a Main Street West.

Telephone Grover 2-9360.
(Direct line from Head Office)

District Forester W. B. M. Clarke Assistant District Forester

SUPERVISORS

 Accounts
 J. E. Rogers

 Fish and Wildlife
 J. F. Gage

 Biologist
 J. F. Gage

 Forest Protection
 F. M. Miller

 Lands
 W. Turnbull

 Parks
 A. D. Tremblay

 Timber
 R. Lockhart

CHIEF RANGERS

DEPUTY CHIEF RANGERS

F.E. Cannon, Temagami W.H. Hawley, Haddo A.W. Jackson, Field C.H. Laberge, Champlain E.E. Lafleur, Latchford

Scaling

T.M. McCormick, Marten River G.M. Samells, North Bay West J.J. Sargent, Temagami R.H. Smith, North Bay East

R. T. Fraser

PARRY SOUND DISTRICT

OFFICE: 41 James Street. Telephone Riverside 6-2141.

District Forester M. A. Adamson

SUPERVISORS

G. F. Walter J. A. Macfie C. W. Douglas C. W. Douglas Senior Conservation Officer D. Burns T. H. E. Croswell Lands...... W. R. Peck W.A. Perrin Scaling A.J. Tracy

CHIEF RANGERS

DEPUTY CHIEF RANGERS

J.E. Barker, Dorset E.R. Brooks, Powassan L.D. Collard, Byng Inlet M.J. Flaherty, Bracebridge R.F. Kimberley, Loring M. Salt, Arbeg

	•
OFFICE: 162 Agnes Street. Telephone Reg	ent 2-3661.
District Forester	F.E. Sider
SUPERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber CHIEF RANGERS Pembroke Whitney	J. F. Gardner J. K. K. Legris J. Orme J. E. Collard C. R. Groves
Stonecliffe	
DEPUTY CHIEF RANG	ERS
C.R. Buske, Pembroke F. Mitc	entifel, Round Lake chell, Pembroke core, Whitney alubiski, Pembroke range, Pembroke chroeder, Pembroke
PORT ARTHUR DISTRIC OFFICE: Forestry Building, 14 Algoma St. Telephone Diamond 5-6543.	
District Forester	W. L. Sleeman
SUPERVISORS Accounts	J. Chadwick C.A. Elsey F.M. Dodds
SUPERVISORS Accounts	J. Chadwick C.A. Elsey F.M. Dodds W. Jarvis E. Diamond
SUPERVISORS Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Scaling CHIEF RANGERS Port Arthur Black Sturgeon Shebandowan	J. Chadwick C.A. Elsey F.M. Dodds W. Jarvis E. Diamond J.W.E. Peden S.O.Russell J.A. Moore
SUPERVISORS Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Scaling CHIEF RANGERS Port Arthur Black Sturgeon	J. Chadwick C.A. Elsey F.M. Dodds W. Jarvis E. Diamond J.W.E. Peden S.O.Russell J.A. Moore

135

L.W. Reid, Upsala N.J. Small, Fort William E.J. Swift, Port Arthur

V. Hansen, Port Arthur P. Harkema, Shebandowan K.D. Irving, Black Sturgeon W.M. Pennock, Shebandowan

SAULT STE. MARIE DISTRICT
OFFICE: Airdrome Building. Telephone Algoma 6-7461.
District Forester J.S. Ball
SUPERVISORS
Accounts
Forest Protection. G. A. McCormack Lands. J.M. Small Timber E. F. Anderson Scaling. H.W. Green
CHIEF RANGERS
Blind River J.A. Huppe Sault Ste. Marie C. Tregonning Sand Lake E. Montgomery
DEPUTY CHIEF RANGERS
F.M. Beaton, Mount Lake L.G. Bell, Pancake Bay R.H. Gemmill, Sand Lake G.N. Gibson, Red Rock G.R. Murray, Kirkwood M.B. Pepin, Blind River A.R. McClelland, Ranger Lake
SIOUX LOOKOUT DISTRICT
OFFICE: 38 Front Street. Telephone 740.
District Forester W.G. Cleaveley Assistant District Forester J. E. Barnes
SUPERVISORS
Accounts D. Munch Fish and Wildlife C.E. Perrie Biologist A.E. Armstrong Forest Protection. E.W. Bouchey Lands S.N. Johnson Reforestation J.K. Gaughan Scaling E.L. Sullivan
CHIEF RANGERS
Armstrong H.S. Anderson Pickle Lake S.W. Hanson Red Lake D.R. Williams Sioux Lookout G.M. Fenelon Ignace F. Nicoll
DEPUTY CHIEF RANGERS
G.A. Baverstock, Sioux Lookout G.W. Clark, Lake-of-Bays R.E. Chomupski, Armstrong D.R. Hand, Ignace I. Lawson, Pickle Lake J.S. Legace, Red Lake J.W. Lyon, Lac Seul A.H. Snow, Ear Falls S.A. Sprager, Sioux Lookout

SUDBURY DISTRICT

OFFICE, 172 Elm St. West. Telephone Osbourne 5-8394. (Direct line from Head Office) District Forester. . . . G. A. Hamilton SUPERVISORS Accounts G. Jennings Fish and Wildlife . . . C. Bibby G. I. Gillespie Forest Protection. . . L.G. Ridsdill Lands A.S. Currie A. W. Chalk Timber J. F. Flowers Scaling C.J. Munro CHIEF RANGERS V. Bragg E. Morin Sudbury W. Wetow DEPUTY CHIEF RANGERS V.A. Penttinen, Skead W. Piche, Espanola A.T. Proulx, Skead G.R. VanHorn, Sudbury A.J. Furlong, Skead E.A. Hansson, Massey D.H. Kohls, Windy Lake K. Kukkonen, Penage Lake L.P. MacDonald, Jamot SWASTIKA DISTRICT OFFICE: Swastika, Telephone Kirkland Lake 3090. District Forester. . J.D. Hughes SUPERVISORS Accounts H. Michiel Fish and Wildlife D. Waldriff Biologist Forest Protection. . . L.L. Bronson Lands J. McDougall H. Mattson Reforestation Timber..... A.H. Peacock F. Thib CHIEF RANGERS

NURSERY

G.L. Jones

V. L. Wilson H. Stuart

Superintendent J.R. Oatway

Elk Lake

Swastika.

Matheson

DEPUTY CHIEF RANGERS

W.E. Bond, Matachewan
E.C. Borden, Swastika, West
D.W. Butler, Elk Lake
G. Cahill, Matheson

W.A. Humphrey, Larder Lake
M.C. Mitchell, Swastika, East
A.A. Peever, Matheson
L.J. Wickware, Englehart

TWEED DISTRICT

OFFICE: Municipal Building, Metcalfe Street. Telephone 361.
District Forester J. M. Taylor Assistant District Forester
SUPERVISORS
Accounts . W. H. Porch Fish and Wildlife . H. S. Dornan Biologist . R. E. Whitfield Forest Protection. B.T. Dunne Lands . A. E. Beach
Parks W.H. Cantelon Timber J. Keenan
Timber J. Keenan Scaling W.J. Everett
CHIEF RANGERS
Dacre M. D. Mulvihill Bancroft
DEPUTY CHIEF RANGERS
E.G. Card, Bancroft H.E. Clark, White Lake W. Gorr, Plevna J.I. McKenzie, Green Lake R. Musclow, Palmer Rapids
WHITE RIVER DISTRICT
OFFICE: White River, Telephone 186.
District Forester
Accounts W.C. Johnstone Fish and Wildlife E. A. Pozzo Biologist M.L. Wilton Forest Protection W. Kilt Lands and Parks W.M. Mitchell
Reforestation J. D. Griffiths Timber L. H. Eckel
Scaling J.E. Hamilton
CHIEF RANGERS
Jamestown C. Macdonald
Mobert V. E. Niemi
Wawa C. MacDonald White River V.E. Niemi
DEPUTY CHIEF RANGERS

C.R. Petrosky, Wawa I. Riives, White River

B.T. Cannon, Wawa J.D. Schreiber, Franz

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

Director.												Q. E. H	less
Accounts	٠						٠	٠				J. Pali	mer

INSTRUCTORS

E. Goodman W. A. Morris G. Pennock W. P. Small D. L. Lillow J. E. Dickenson



RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

 $R.\,N.$ Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within ecomonic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types-combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started-two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Chief: R. N. JOHNSTON Assistant Chief: A. P. LESLIE Executive Officer: A. R. FENWICK FISHERIES K. H. LOFTUS WILDLIFE R. O. STANDFIELD FORESTRY D. H. BURTON MECHANICS M. H. BAKER STATISTICS T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

Wood quality studies were started in 1962 to gain an understanding of the specific physical and chemical qualities of commercially important tree species.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlire were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advice on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

A new project was begun in 1962 to co-ordinate limnological research and collect data which are specifically related to studies on the fluctuations in year-class strengths of commercial and game fish.

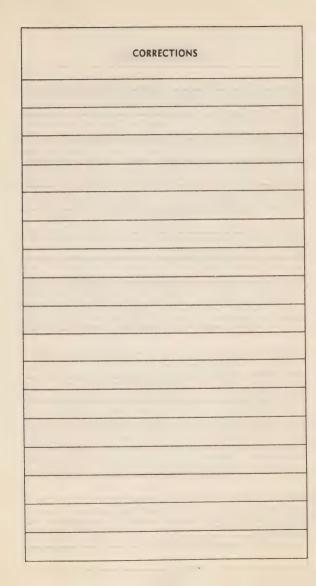
Wildlife

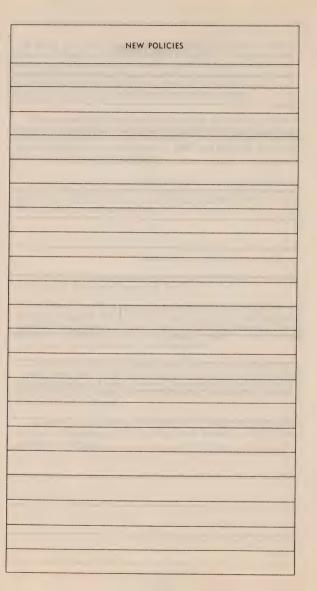
In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), furbearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife-mainly forest damage caused by deer, rodents and hares.





TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941, became Timber Management Division under J.F. Sharpe, In 1957, Timber Management and Reforestation were amalgamated, J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department, Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

TIMBER BRANCH

Chief: J. A. BRODIE

Assistant Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: R.W. Hummel

Tree Production and Distribution Soil Amendment Programmes Extension Forestry

SILVICULTURE SECTION

Supervisor: A. J. Herridge

Forest Inventory
Management Planning
Silviculture Operations

TIMBER SECTION

Supervisor: L. Ringham

Sales, Licensing Stumpage Appraisal Scaling

Special Projects

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904.

The nursery was moved to St. Williams in 1908 and supervised by Dr. Zavitz for the Department of Agriculture until 1912 when it was handed over to the new Forestry Branch established within the Department of Lands, Forests and Mines.

Dr. Zavitz transferred at the same time to assume control of the new Branch. He became Provincial Forester in 1917 and Deputy Minister for the Forestry Branch in 1926. He was Chief of Reforestation Division from 1941 until he was succeeded by G.H.U. Bayly on March 1st, 1953. Mr. Bayly retained this office until he was appointed Assistant Deputy Minister when the Department was reorganized in 1957.

Reforestation Section administers the collection of tree seed, the processing and planting of seed, nursery production, the distribution of nursery stock to the public, and the supply of trees for planting on Crown lands and Agreement Forest lands. It is carrying out a programme to improve the quality of seeds and seedlings. In the reforestation programme, it administers agreements made between the Miniter and Corporations such as Authorities, Counties and Townships.

The Section allocates monies appropriated by the Legislature to conservation authorities and municipalities to assist them in the acquisition of lands that are suitable for forestry purposes and that are managed under agreement with the Department.

The Section has recently expanded the Private Land Forestry programme which includes technical assistance and advice to private landowners to encourage the growth and management of wood-lots.

REFORESTATION ESTABLISHMENTS

SEED PLANTS

As at March 31st, 1963

YEAR

ESTABLISHED

	ESTABLISHED
Angus	1923 1908
FOREST STATIONS	
Chapleau Dryden Fort William Gogama * Kemptville * Midhurst * Orono Sault Ste. Marie * St. Williams Swastika White River	1958 1958 1948 1956 1946 1922 1922 1956 1908 1958
DEMONSTRATION FORESTS	
Angus Bioomfield (Sand Banks Forest) Elizabethville (Prouse Forest) St. Thomas (McKay Forest) Speyside.	1923 1920 1946 1940 1942
DISPOSITION OF NURSERY STOCK	

In year ended March 31st, 1963.

Planted on Crown Lands 29,091,0	21
Planted in Forests Managed by the Minister 4,867,4	30
Supplied to Owners of Private Lands	300
Education and Scientific Purposes	83
Miscellany, Departmental Exhibits, etc	882
Stored at Planting Sites, etc.	
TOTAL 43,767,9	16

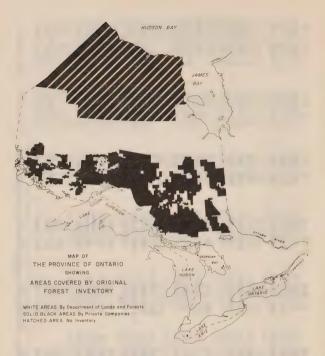
^{*}Demonstration forests, All forest stations include tree nurseries.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

	NO. OF
PERIOD	TREES
A DESCRIPTION	ARCEDO
4008 4048	
1905-1912	1,480,539
1913-1925	13,096,866
1925-1926	4,433,409
1926-1927	7,104,319
1927-1928	11.138,985
1928-1929	12,789,568
1929-1930	11,175,894
1930-1931	11,846,920
1931-1932	
	10,303,569
1932-1933	9,422,463
1933-1934	9,760,730
1934-1935	10.663,155
1935-1936	10 100 777
	10,109,772
1936-1937	11,261,644
1937-1938	12,339,993
1938-1939	16,921,906
1938-1940	17,266,697
2000-2030	11,200,001
1010 1011	40 544 000
1940-1941	13,511,299
1941-1942	11, 303, 187
1942-1943	10,522,917
1943-1944	10,999,379
1944-1945	11,280,981
1011-1010	11,200,501
1945-1946	13,175,575
1946-1947	12,269,533
1947-1948	13,049,776
1948-1949	17,700,970
	19.027.807
1949-1950	19,021,801
1951-1952	20,749,268
1952-1953	24,241,754
1953-1954	23,448,860
	25.519.383
1954-1955	23,319,363
1955-1956	28,351,483
1956-1957	31,081,112
1957-1958	25,854,262
	33,414,110
1958-1959	
1959-1960	41,682,125
1960-1961	49, 833, 412
1961-1962	43, 194, 863
1962-1963	
1962-1963	43,767,916
	EOE 006 401
TOTAL	705,096,401

1953-63	2,840,625	6,668,275	1,062,925	1,388,650	,916,850
	1,515,275	466,025	425,500	2,239,175	1,398,100
	1,571,440	9,224,750	1,132,075	3,582,600	1,666,400
	1,639,400	1,743,400	5,825,330	2,640,995	778,525
	250,500	492,000	692,525	173,025	1,009,800
1963	266,075	430,525	128,950	114,950	33,875
	99,650	39,600	61,775	153,150	96,075
	94,800	240,750	169,000	389,750	146,225
	223,750	135,450	352,675	205,950	73,400
	60,450	38,525	58,075	42,950	107,975
1962	221,525	425,725	146,325	139,450	49,675
	130,050	58,875	75,525	148,625	134,225
	148,575	257,675	189,800	305,900	125,400
	290,925	96,225	365,625	201,250	105,250
	59,350	26,300	106,725	34,850	96,325
1961	281,950	877,600	138,200	119,050	75,650
	140,425	86,425	778,900	241,125	134,175
	156,400	544,475	217,575	433,125	179,625
	145,125	220,425	710,825	276,025	123,050
	54,550	56,325	111,625	13,975	92,825
1960	426,425	471,000	171,025	147,300	105,825
	161,450	52,925	43,400	200,200	161,375
	143,050	729,450	133,925	446,000	212,835
	148,275	146,875	753,825	250,750	93,900
	17,800	73,300	84,025	8,625	172,325
1959	387,525	24,725	117,925	166,200	108,600
	120,350	24,050	86,675	209,175	111,000
	165,675	692,400	79,550	327,725	203,800
	180,500	117,275	695,150	256,850	74,050
	8,200	44,500	50,425	12,950	120,750
1958	316,525	594,375	76,500	174,525	70,575
	105,775	43,225	12,825	150,650	118,950
	162,100	1,078,025	62,650	301,425	178,950
	157,175	125,775	590,375	252,175	44,900
	8,200	34,650	25,000	8,100	126,400
COUNTY OR DISTRICT	AlgomaBrant Brace Carleton		Frontenac Glengarry Grewille Grey.	Halton Hastings Huron.	Kent. Lambton. Lenark. Leeds. Lennox & Addington

2,405,650 4,626,600 1,465,300	2,809,750 3,302,050 5,660,325 1,584,050 6,686,625	4,253,125 913,425 1,935,015 1,561,375 243,775	3,457,875 3,457,875 599,200 15,265,745 397,575	1,153,825 2,279,825 2,43,350 1,845,500 2,221,700	1,498,050 4,185,225 2,691,475 6,912,005	133,553,630
53,050 29,600 287,625 199,850 59,725	273,050 131,900 459,625 101,125 280,225	503,725 64,000 120,700 170,425 24,075	92,800 391,550 5,200 616,525 91,600	134,775 188,750 14,600 135,600 201,200	205,975 197,650 205,350 592,675	9,597,300
79,150 68,600 494,425 271,775 90,975	289,150 354,675 468,675 146,750 339,300	602,925 46,625 128,675 221,025 37,325	146,000 458,150 78,700 821,350 51,375	121,875 315,975 28,075 138,450 181,650	227,275 299,850 257,825 799,000	11,505,775
28,925 50,375 301,125 288,150 91,175	317,125 255,550 652,550 119,625 450,600	414,050 53,550 123,700 747,025 51,525	140,425 389,875 165,875 1,085,925 115,225	169,700 271,075 17,700 129,800 176,975	134,175 224,800 315,700 916,300	13,708,050
57,025 61,325 147,100 483,475 149,250	312,200 317,650 675,075 146,925 556,375	353,275 157,150 162,725 75,500 21,350	179,700 386,675 150,400 1,444,225 29,800	1111,425 254,850 23,450 168,175 248,525	138,550 525,100 348,650 785,325	13,809,125
71,900 59,700 174,450 422,375 139,800	282,775 279,650 548,225 179,450 722,275	\$10,475 \$1,850 196,690 93,300 18,600	154,925 346,875 38,825 1,312,420 19,250	182,200 240,200 9,300 130,075 258,825	131,350 339,550 263,925 638,005	12,986,865
32,800 151,300 135,825 511,700 205,975	287,100 269,275 528,075 102,700 771,325	349,175 47,500 212,250 53,800 9,675	20,100 324,100 54,150 1,710,525 9,000	89,250 175,850 47,525 188,974 196,075	93,375 485,950 198,650 441,275	12,523,099
Lincelm	Northumberland Ontario Oxford	Perth	Rainy River Russell Simcoe	SudburyThunder BayTimiskaming	Welland	TOTAL



SILVICULTURE SECTION

The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.

A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.



The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By the end of 1963 approximately 112,000 square miles had been rephotographed. Detailed forest stand data have been obtained on 21,121 square miles.

With accurate forest data for Crown Management Units, it is possible to prepare plans for the organization and orderly utilization of the forest- a more intensive level of management than previously was possible. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in ten-, and twenty-year periods, a licensee can be shown and assured of his future wood supplies.



The plans of Company Management Units are prepared by the company from its own data, The Department checks the area and volume calculations and, when satisfied, recommends the acceptance of the plans.

The program of tree planting, seeding, and stand improvement is to maintain the productivity of Crown lands. Thus, a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.

The silviculture program includes tree planting, direct seeding (both from air rising helicopters and on the ground, using various seeding devices), thinning of young stands, pruning selected crop trees, girdling or poisoning of unwanted trees, and aerial spraying of stands to release young trees.



MANAGEMENT UNITS as of March 31st

	CO	MPANY	C	ROWN	T	OTAL
Year	No.	Sq. Mi.	No.	Sq. Mi.	No.	Sq. Mi.
1954	36		87		123	
1955	36		81		117	
1956	39	78,382	82		121	
1957	41	78,837	80	129,551	121	208,388
1958	43	85,034	81	125.397	124	210.431
1959	48	89.754	77	120,165	125	210,919
1960	101	100,408	72	83,294	173	183,702
1961	79	96.983	76	83,900	155	180,883
1962	79	99,987	78	84,108	157	184,095
1963	77	97,342	79	85,216	156	182,558

STAND IMPROVEMENT ON CROWN LANDS. - Acreage treated in years ending March 31st

				per				
1963	2,307	1,211	6,768 2,595 66	2,286 3,111 Discontinued	1,496	3,182	7,465	2,311
1957 1958 1959 1960 1961 1962	8,709 6,704 9,000 8,824 4,247 1,035 2,307	2,263		583 4,870 509 I	2,810	2,754	1,498	32,281 32
1961	4,247	•	5,208 1	1,158 4,080 706	2,525	2,912	3,328	24,628
1960	8,824	:	1,745	225		772	406	12,227
1959	000,6	:	2,507	550		•		0,619
1958	6,704	:	3,254 6,980 2,507 1,745 5,208 12,053 1,038 4,057 8,562 179 39 3,906	2,225 550	1,510	•		1,476
1957	8,709	:	3,254	785	1,776			18,192 2
Operations	Scarification and other site preparation Scarification with cone	scattering or seeding.	Cleaning and clearing, Brush Control,	Thinning Xmas Tree Culture	Improvement Cutting . 1,776 1,510 Girdling Frilling	and Poisoning	Tree Marking 2,630 Harvest Cutting	TOTAL18,192 21,476 20,619 12,227 24,628 32,281 32,311

TREES PLANTED ON CROWN LANDS in years ending March 31st

1	1953-03	1,759,762	10.053.004	10,033,220	3,101,300	7,300,403	12,925,397	352,085	7,398,559	892,678	2,923,028	5,865,060	4,264,954	4,596,628	9,243,714	001,107,6	9,565,299	20,694,920	1,341,396	9,406,236	11,090,347	7,766,796	5,112,285		310.448	011670	168,090,477	
000	1903	145,362	3,330,140	1,780,000	1,204,100	1,851,785	4,210,925	51,000	1,216,275	73,295	369,900	489,700	263,293	643,000	545,165	1,207,022	1,491,800	3,828,956	141,200	1,890,525	2,246,795	912,000	905,500		79.303	00000	29,091,021	
	1962	104,458	2,691,500	1,547,450	418,940	1,144,650	3,695,525	15,025	1,214,400	114,406	479,206			828,806		1,260,236	1,702,275	3,682,390	211,700	1,840,889	2,124,903	938,010	699,050			104 2004	26,602,720	
	1961	97,633	3,568,850	2,077,248	993,000	1,816,450	3,283,400	53,950	1,308,759	170,077	518,612	829,392		1,051,694	1,142,080	1,139,875	1,960,575	3,534,145	300,000	2,374,314	1,925,343	1.268.600	1,575,125			(1,343	31,564,608	54,875
	1960	70,598	3,037,004	1,176,842	555,939	1,112,500	2,875,000	7,015			453,800			703,111		771,835	953,600	2,760,000	225,796	1,643,147	1,402,721	1.075.653	1,130,000		23,000	27,270	23,448,118	43,137
	1959	828,616					1,000,250	19,460	884,100		383,760			322,077		991,948	796.700		150,000	533,415	991,110	882 000	455,000	23,997	9,500		16,080,698	•
	1958	188,177	789,600	525,118	629,800	363,180	400.000	40,210	461,100	12,192	243,600	709.165	205,713	196,025	672,984	598,965	1 036 628			305,217	747,105	486 034	209,625	5,863	10,100	0000000	9,812,131	
	DISTRICT	Aylmer.	Chapleau	Cochrane	Fort Frances	Geraldton	Cogomo	Hecheler	Kantskasing	Kemptville	Kenora	Lindsav	Manle	North Bay	Parry Sound	Pembroke	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Sault Ste. Marie.	Sioux Lookout	Sudburv	Swastika	9	Weed.	Toronto.	Ranger School	Unclassified	TOTAL	Acres Planted

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

93,000 284,200 254,360 14,000 25,800 22,600
75,800
257,950 3
73,000 22,000 1
96,200
1,500 11,500 60,000
3,200
87,600 200,300
71,850 21,600
1,308,800 1,268,500 2,027,260
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
9,725
18,775
29,900 137,475

11,950 1,363,400 1,929,029 234,600 547,930	26,200 418,775 1,981,750 291,225 204,800	1,408,513 267,350 184,350 9,393,586 842,100 3,587,925	988,025 1,149,297 345,850 726,400 552,550	26,637,405	4,867,430 42,637,970 33,958,451 210,728,447
500 19,500 12,600 69,480 21,650 31,100	118,750 152,000 114,000 30,500	172,000 3,500 10,000 315,800 283,000 349,400	78,000 185,000 11,500 12,000 38,500	2,028,780	4,867,430
140,700 3,000 213,300 38,700 88,510	34,350 146,700 20,500 20,500	136,200 100,600 25,100 239,500 380,000 433,000	196,500 219,250 7,250 12,000 126,800	2,582,460	5,063,860
99,000 1,500 40,500 85,700	171,000 102,000 12,800 8,000	94,500 12,000 44,000 767,600 40,000 193,500	105,000 85,475 55,700 74,250	1,997,025	4,065,785
87,000 33,500 182,799 26,500	336,000	61,050 84,500 27,000 1,093,930	66,000 138,225 95,000 18,500	2,708,154	4,114,129
10,700 10,000 184,200 14,000	225,300	96,750 9,000 1,132,590 1,8,000 499,200	193,000 19,500 127,600 1,000	2,770,940	4,109,640
70,000 1,500 12,800 59,000	195,600	66,000 17,100 956,613 24,000 333,400	10,000 129,247 13,500 86,500 23,200	2,230,960	3,267,310
COUNTY Brant Bruce Bufferin Grey Halfon	Kent, Lanark, Leadark, Leenox & Addington., Middlesex,	Northumberland and Durham Ontario Oxford Prescott & Russell Renfrew,	stormont, Dundas and Glengarry Victoria. Waterloo Wentworth York.	SUB-TOTAL	TOTAL, 3,267,310 Total Number of Trees Planted by Department .13,079,441

FOREST AREAS MANAGED BY THE MINISTER

	Date of .	Acreage		
COUNTY	Agreement	March 31st 1963		
Brant	15 Nov., 1952	50.0		
Bruce	20 Jan., 1950	14,656.3		
Oufferin	26 Nov., 1930	2,042.0		
Grey	21 Dec., 1937	7,978.0		
Ialton	14 Mar., 1950	1,245.6		
Iuron	27 Nov., 1950 23 Dec., 1953	1,339.0		
Kent		75.3		
anark	5 July, 1940	3,246.00		
Leeds & Grenville	24 April, 1940 3 April, 1952	6,064.50		
ennox & Addington		1,186.0		
fiddlesex				
	10 June, 1954	4.877.0		
Ontario	9 July, 1930	1,900.0		
	1 Sept., 1950	23,485.83		
Prescott & Russell	15 Mar., 1937	2,938.00		
Renfrew	26 Dec., 1951	17,446,6		
imcoe	19 June, 1925	2,048.4		
tormont, Dundas & Glengarry.	29 Sept., 1949	7,044.0		
ictoria	10 Aug., 1928	710.4		
Vaterloo	17 April, 1950	889.3		
Ventworth	27 Nov., 1952	3,917.0		
ork	27 Mar., 1924	3,917.00		
Sub-Total		104,425.8		
TOWNSHIP				
Bonfield	1 April, 1952	60.00		
Charlottenburgh	1 April, 1955	175.00		
Sumberland	29 May, 1952	808.44		
Salway and Cavendish	1 Nov., 1952	100.00		
Marlborough	21 Sept., 1953	200.00		
Corbolton	28 Mar., 1953	430.80		
Villiamsburg	19 Oct., 1962	400.0		
· III am obaig · · · · · · · · · · ·	15 000, 1501	40010		
Sub-Total		2,174.2		
CONSERVATION AUTHORITY				
usable River	13 Dec., 1951	2.060.0		
Big Creek Region	2 Dec., 1954	3,969.0		
Catfish Creek	19 Dec., 1962	2,347.9		
Ganaraska River	31 Jan., 1947	75.0		
Grand Valley	18 Mar., 1952	7,898.6		
Metropolitan Toronto & Region.		5,083.0		
Middle Maitland Valley	11 April, 1951	1,672.0		
	1 April, 1955 28 Nov., 1951	466.0		
Moira River		11,426.0		
Vapanee Valley		5,669.0		
Joshing Valley	15 May, 1958	1,256.7		
	25 June, 1958	4,499.0		
North Grey Region	98 Ammil 1057			
North Grey Region	26 April, 1957	1,094.0		
North Grey Region Otter Creek	23 Sept., 1959	1,580.0		
Neebing Valley North Grey Region Otter Creek Sauble Valley Saugeen Valley	23 Sept., 1959 15 Dec., 1952	1,580.0		
North Grey Region Offer Creek Sauble Valley Saugeen Valley South Nation River	23 Sept., 1959 15 Dec., 1952 28 Mar., 1960	1,580.0 10,429.0 140.0		
North Grey Region Ofter Creek	23 Sept., 1959 15 Dec., 1952 28 Mar., 1960 19 Oct., 1962	1,580.0 10,429.0 140.0 12.5		
North Grey Region Otter Creek	23 Sept., 1959 15 Dec., 1952 28 Mar., 1960	1,094.0 1,580.0 10,429.0 140.0 12.5 3,304.3		
North Grey Region Ofter Creek	23 Sept., 1959 15 Dec., 1952 28 Mar., 1960 19 Oct., 1962	1,580.0 10,429.0 140.0 12.5		



TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Sales are carried out under three types of licences:

(1) "District Cutting Licences"- small short-term sales which are administered entirely within a particular

District.

(2) "Licences to Cut Crown Timber"- this is the most common type of tendered sale; it runs for an average of three years.

(3) "Licences to Cut Crown Timber approved by Order-in-Council"- these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

Timber Section is responsible for the issuance of licences to scalers (who have successfully passed an examination) to measure Crown timber and make scale returns for the collection of Crown Stumpage charges.

Timber Section compiles statistics on the production of forest products from Crown land by species. It maintains a directory of the primary wood-using industries in Ontario. Through District offices, it receives a return of the volume of forest products produced by each mill.

Other specific duties include the preparation of reports on the opportunities for additional forest industry in certain localities in co-operation with other Provincial Departments and the Federal Government.

TIMBER LICENCES as of March 31st (Areas in square miles)

	Nu	mber of	Area Under	Area Under	Area Under	Total Area
Year	L	icences	Section 2	Section 3	Section 4	Licensed
1955		731	6,435.50	85,075.40	21.10	91,532.00
1956		748	6.140.05	88,273.71	170.26	94.585.02
1957		604	5,600.65	89.952.49	200.94	95.754.08
1958		586	5.354.80	98.149.46	181.33	103.685.59
1959		569	4.520.62	99.612.16	199.90	104.332.68
1960		573	4.206.22	99.818.60	186.98	104,211.80
1961		569	3,647.71	99,103.39	137.79	102,888.89
1962		569	3,563.07	99,347.87	154.26	103.065.2
1963		581	3.102.08	97.830.82	152.36	101.085.2

MILLS LICENSED as of March 31st

Sar	w Mills (Dail	y Cap	acity				
Year	in 000%s to 10 10-5		up	Pulp	Ven- eer	Spec- ialty	Total
1955 1956 1957 1958 1959 1960	1,120 1,115 1,120 1,124 1,120 646	159 162 160 158 135 129	58 59 57 57 54 23	29 29 29 29 29 29	• •	• •	1,366 1,365 1,366 1,368 1,338 822
1961 1962 1963	668 797 774	121 118 129	27 36 31	24 24 27	23 24	87 76	840 1,085 1,061

VOLUME OF WOOD CUT BY SPECIES -- 000's cubic feet in years ending March 31st

Softwoods	SPECIES	1946	1947	1948	1949	1950	1921	1952	1953	1954	1955
15,146 11,563 15,003 13,802 9,418 12,547 16,057 11,860 13,223 15,003 180 126 127 139 180 180 1323 180 180 180 180 180 180 180 180 180 180	SOFTWOODS										
5,462 5,731 6,280 6,290 5,753 6,679 8,334 5,808 4,368 6,712 78,964 85,545 81,862 58,175 85,604 108,859 81,644 75,488 118,645 208,678 174,652 134,310 207,318 211,831 135,873 103,447 11,85 1951 11,846 11,85 1951 11,85,873 103,447 11,85 11,885 11,885 11,845 11,885 11,845	Balsamoooooo	15,146	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14,093
19.772 78 964 85,545 81,862 58,175 85,604 108,859 81,644 75,488 1168 108,859 81,644 75,488 1168 1185,814 126,114 1285 11,951 11,546 719 673 4,677 3,396 11,644 75,488 11,844 11,185 11,951 11,546 719 673 4,677 3,396 2,354 11,851 11,997	demlock	5.462	5.731	5.272	126	5 753	96	234	197	97	738
193,286 188,645 208,678 174,652 134,331 207,318 135,873 163,447 1719 207,318 151,831 155,873 163,447 1719 207,318 151,831 155,873 163,447 1719 207,318 151,831 155,873 163,447 1719 207,318 151,831 155,873 163,447 1719 20,873 163,447 1719 20,812 163,447 1719 20,812 163,474 1719 20,812 163,873 163,447 1719 1719 1719 1719 1719 1719 1719 1	Jack Pine	62,712	78,964	85,545	81,862	58,175	85.604	108.859	81.644	75.488	81.77
13.214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 8,589 1,536 1,937 1,755 1,756 1,757 1,797 2,053 1,976 1,756 1,789 1,789 1,576 1,576 1,789	and W Pine	30,550	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 8,589 1,527 1,797 2,053 1,546 1,186 1,348 1,339 1,356 1,576	pruce	193,286	188,645	208,678	174,652	134,310	207,318	251,831	155,873	163,447	175,666
3,214 4,092 4,764 5,541 6,303 6,879 7,892 8,623 8,589 1,207 6,087 1,1797 2,053 2,499 1,976 2,561 3,592 3,043 2,207 1,507	ue Iwood	944	1,185	1,951	1.546	719	673	4.677	3.396	2.354	3.001
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 8,589 1,527 1,797 2,053 2,499 1,776 2,361 3,592 3,043 2,307 6,087 14,190 11,576 13,653 6,036 12,478 22,049 14,272 15,756 1,020 1,657 1,064 1,148 1,145 1,335 1,530 1,577 1,293 964 1,020 1,755 1,064 1,148 1,148 1,145 1,335 1,56 1,030 1,484 311,845 342,951 308,761 234,098 343,530 424,936 293,352 286,605 34 21,628 21,679 21,780 23,367 16,628 23,231 36,781 321,835 315,141 3 where they not included)	thers	•	•								22
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 8,589 8,589 1,527 1,797 2,053 2,499 1,976 2,361 3,592 3,043 2,307 1,507 1,509 1,557 13,633 6,336 1,536 1,530 1,576 13,566 1,684 1,146 1,148 1,148 1,135 1,536 1,591 1,591 1,591 1,591 1,591 1,148 1,148 1,145 1,335 1,561 1,591 1,591 1,148 1,148 1,145 1,335 1,586 1,591 1,591 1,148 1,14	LARDWOODS										
6.087 14,190 1,576 14,787 1,790 1,70	irch	3,214	4,092	4,764	5,541	6,303	6,679	7,892	8,623	8,589	7,506
836 1,020 1,552 1,054 1,166 568 1,530 1,577 1,293 964 580 1,755 1,061 1,148 1,145 1,335 968 691 308,184 311,845 342,951 308,761 234,098 343,530 424,936 293,352 286,605 31 12,628 21,679 21,780 23,807 16,628 23,231 36,398 28,483 28,336 310,812 333,524 364,751 332,568 250,727 366,761 461,334 321,835 315,141 31 1 levy not included)	oplar	6,087	14,190	11,576	13,653	6,036	12,478	3,592	3,043	15,756	2,265
308,184 311,845 342,951 308,761 234,098 343,530 424,936 293,352 286,605 312,628 21,679 21,780 23,807 16,628 23,231 36,398 28,483 28,336 320,812 333,524 364,751 332,568 250,727 366,761 461,334 321,835 315,141 11 evy not included)	thers	836 964	1,020	1,652	1,054	1,166	1,145	1,530	1,577	1,293	1,802
308,184 311,845 342,951 308,761 234,098 343,530 424,936 293,352 286,605 12,628 21,679 21,780 23,807 16,628 23,231 36,398 28,483 28,536 320,812 333,524 364,751 332,568 250,727 366,761 461,334 321,835 315,141 1 evy not included)	OTALS										
t levy not included) 10,428 10,756	oftwoods ardwoods	308,184 12,628 320,812	311,845 21,679 333,524	342,951 21,780 364,751	308,761 23,807 332,568	234,098 16,628 250,727	343,530 23,231 366,761	424,936 36,398 461,334	293,352 28,483 321,835	286,605 28,536 315,141	309,724 25,081 334,806
	otal Value (\$000's export								10,428	10,756	11,473

VOLUME OF WOOD CUT BY SPECIES - 000's cubic feet in years ending March 31st

SOFTWOODS Balsam		JOST	1958	RCAT	1960	1961	1962	
	14.374	13.766	12.213	10,988	13.051	4,766	12.316	
	459	284	711	280	268	331	341	
	5,321	5,050	2,567	3,046	3,768	2,780	2,429	
	86,664	266.66	78,225	68,415	78,243	76,857	70,903	
	8,070	6,150	4,989	3,581	6,188	5,037	5,291	
	25,609	26,171	20,249	18,025	22,300	19,150	17,606	
	205,320	207,392	180,006	157,544	186,920	191,047	178,063	
	102	56	64	25	26	75	36	
9	32	22	00	11		-	→	
	2,401	2,536	2,359	2,338	1,525	1,476	905	
HARDWOODS								
Ach	. 42	46	72	63	00	100	2 9	
Basswood	434	295	274	319	365	469	350	
Beech	138	160	136	131	273	00 00 00 00	175	
White Birch	447	1.314	1,458	1,339	1,426	1.784	1.754	
Yellow Birch	066.9	6,312	7,173	6,165	7,397	6.972	6,925	
Butternut		- 01	-40	01	-	7	2	
Cherry	14	18	12	15	27	26	. 20	
Е1л	194	160	192	961	256	261	274	
Maple	4,441	3,989	4,261	3,639	4,851	5,787	5,212	
	103	109	133	127	177	239	207	
Poplar	16,921	19,244	20,205	17,729	19,773	18,356	21,256	
· · · · · · · I	1,813	1,982	1,532	1,630	1,219	1,202	1,186	
TOTALS								
	48,352	361,424	301,390	264,253	312,292	311,519	287,894	
	31,536	33,630	35,448	31,355	35,847	35,593	37,707	
All Species 37	379,888	395,054	336,838	295,608	348,140	347,112	325,601	
Total Value	12,039	13,363	11,412	10,155	12,175	12,048	11,229	

VOLUME OF WOOD CUT in 000's cubic feet and \$000's in year ending March 31st, 1962

DISTRICT	Permits	Ontario Scale fbm	Sawlogs	*Boom Timber	Pulpwood	Fuel	** Misc.	Total	#Xmas Trees	Dues	Stu	Stumpage us Value
Choolee	199	1 373	7 113	18	6 050	v		15 471	,	\$ 373	\$ 72	\$ 445
Cochrane	478	1,537	922	24	30,673	252	106	33,517	626	1,009	173	1,182
Fort Francis	196	2,806	44	11	12,786	28	17	15,691	1,250	376	75	451
Geraldton	162	1 1	1,847	199	49,416	128	439	52,029	250	1,362	66	1,461
Cogama	49	2,780	7,070	ע	4,805	133	0/1	17,913	•	476	00	100
Kapuskasing	869	632	7,853	53	31,762	220	17	40,537	1	1,250	319	1,569
Kemptville	1		91	1	27			118	I.	=	6	10
Kenora	331	54	803	51	25,340	30	35	26,313	20	765	102	868
Lindsay	36	2,088	1	19	202	27	9	2,342	١.	51	40	91
Maple	ın,		1		1	7	1	7	ı			
North Bay	340	8.231	,	49	2,981	86	25	11,385	1	246	238	484
Parry Sound	292	3,227	1	48	739	180	9	4,199	1	06	101	191
Pembroke	42	8,623	,	458	1,256	35	1	10,372	1	253	295	548
Port Arthur	377	145	2,192	255	30,754	45	166	33,557	50	926	176	1,132
Sault Ste, Marie	127	10,510	2	11	876	52	2	11,453	1	300	286	587
Sioux Lookout,	197	2,103	495	206	14,278	425	61	17,568		485	53	538
Sudbury	342	1.300	1.572	14	3,868	180	11	6,944		170	74	244
Swastika	344	5,145	2,608	17	4,295	136	598	12,800	1	287	172	459
Tweed	174	3,045	9	29	1,355	45	22	4,502	1	78	101	179
White River	5.1		2.382	2	11.411	18	11	13.825	1	396	74	470

^{*} Includes piling, poles, dimension timber; ** Includes posts, veneer bolts, mining timber and Doyle Rule; Number of Trees.

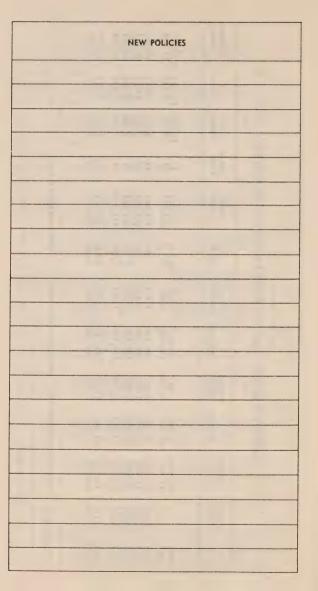
TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

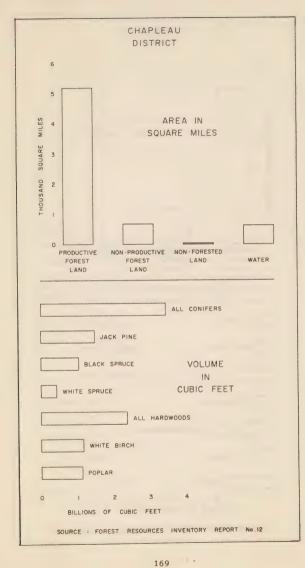
d)			
Stumpage Value	\$10,756 11,658	12, 191 13, 514 11, 565 10, 297 12, 282	12,182 11,297
Bonus	\$2,175 2,523	2,373 2,378 2,378 2,346	2,522
Dues	\$8,581 9,135	9,619 10,740 8,987 7,950 9,493	9.509
tXmas	27	64 16 23 6	7 1
Total Volume	315,141	379,888 395,054 336,838 295,608 348,140	347,112 325,601
(d) Misc.	26,840 8,114	826 858 1,290 1,836 2,038	1,146
Fuel	3,647	4,214 4,517 3,891 3,968 2,744	2,678 2,091
Pulpwood	225,659 245,988	262,146 289,985 245,161 207,003 246,493	232,744 233,782
*Boom Timber	851 2,378	2,781 2,781 2,796 3,644	2,720
Sawlogs	12,119	33,326 22,967 27,762 28,687	52,303 30,001
Ontario Scale	46,025	77,087 73,986 55,938 51,470 64,571	55,521 56,558
Permits	: :	5,403 5,192 5,051 5,421 5,096	5,114
Year	1954	1956 1957 1958 1959 1960	1961 1962

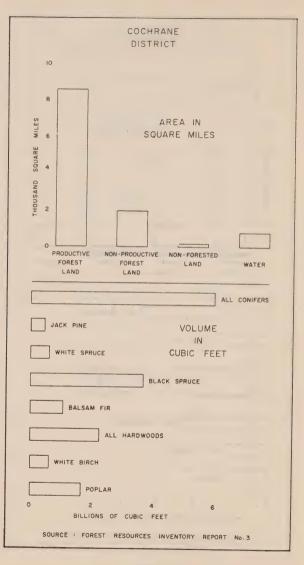
*Includes pilling, poles, dimension timber.

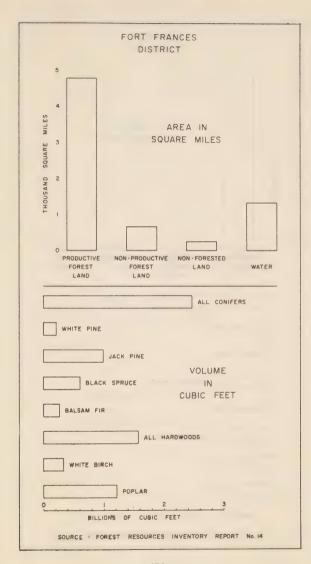
†Number of trees in 000's. (d)Ii

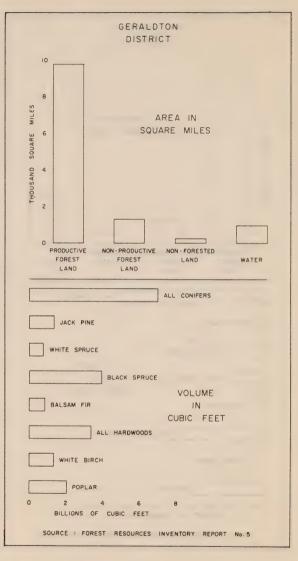
(d)Includes Doyle Scale.

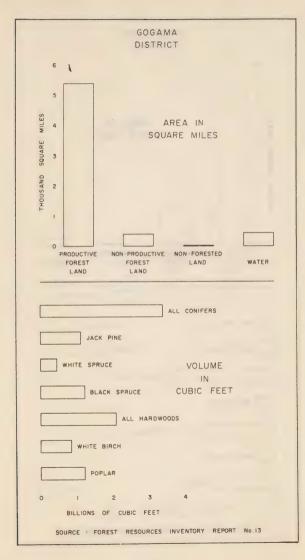


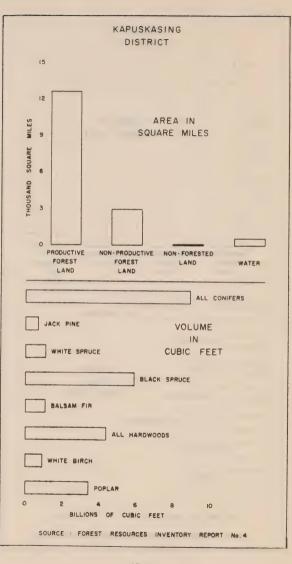


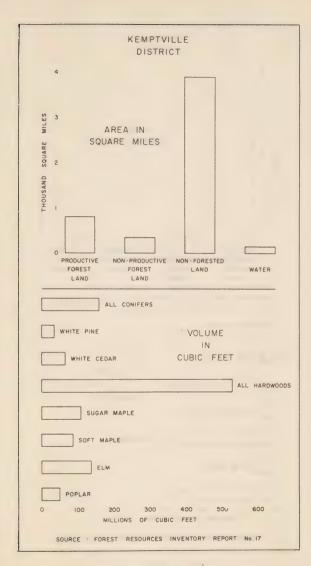


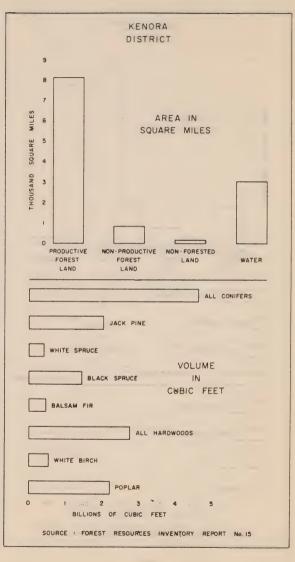


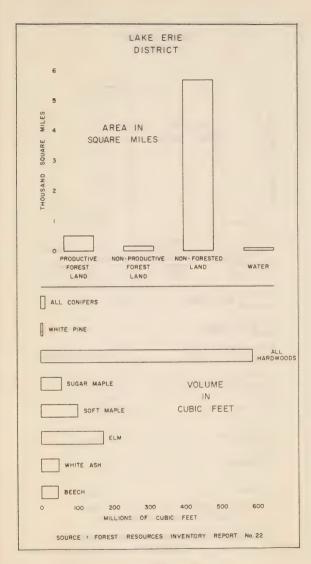


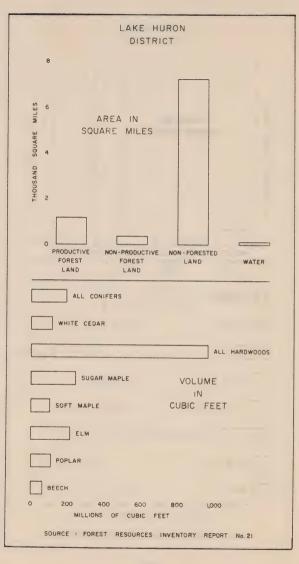


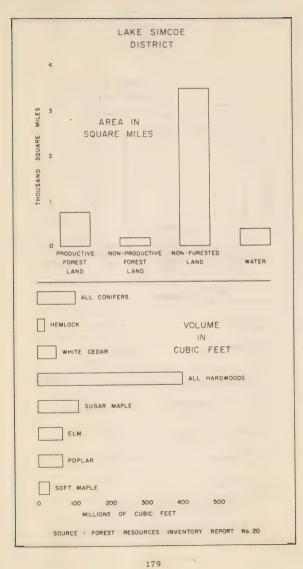


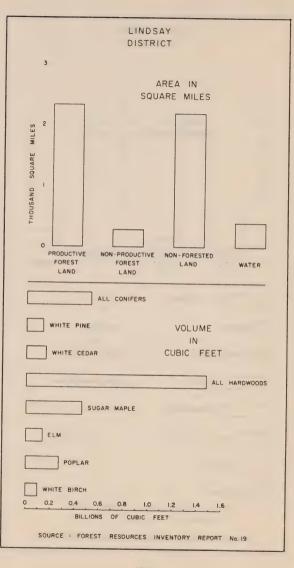


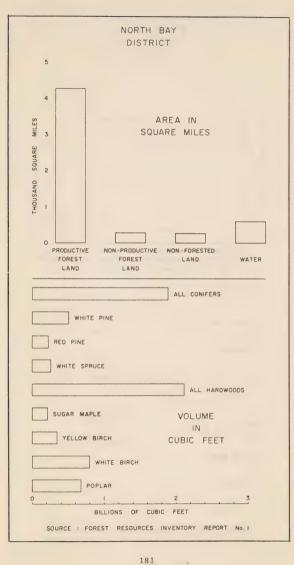


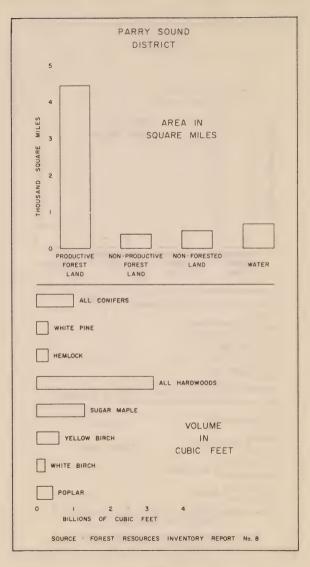


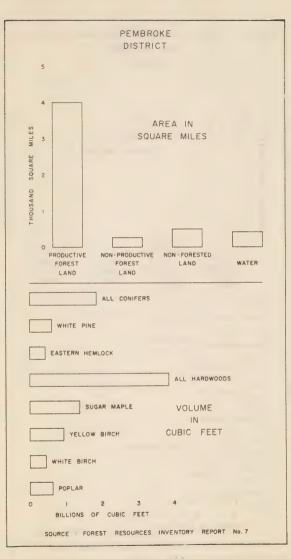


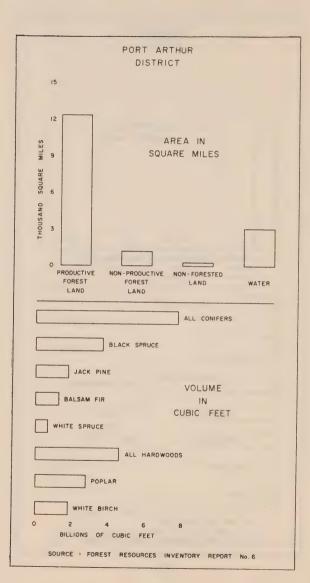


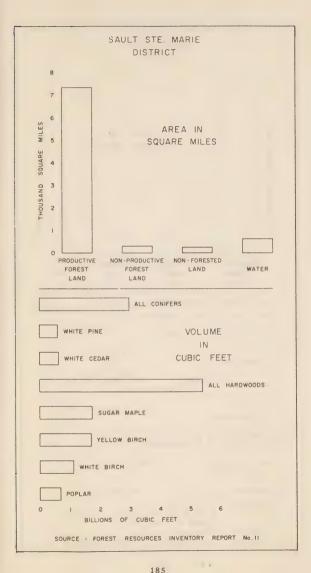


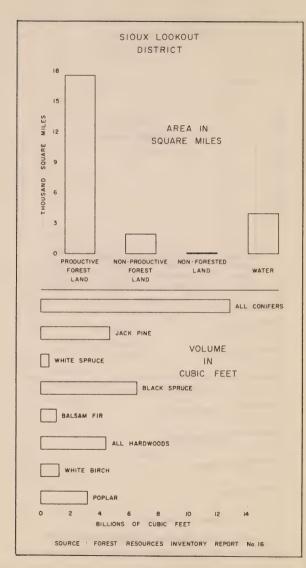


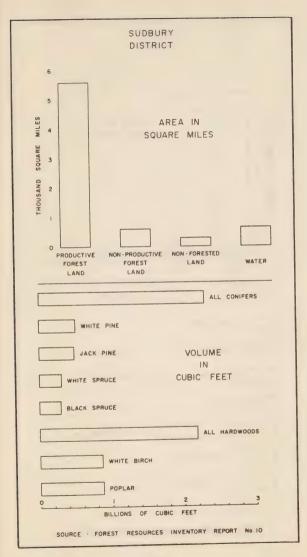


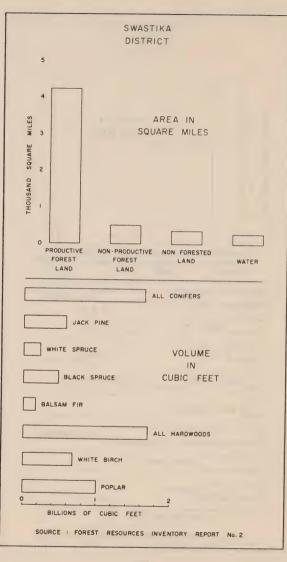


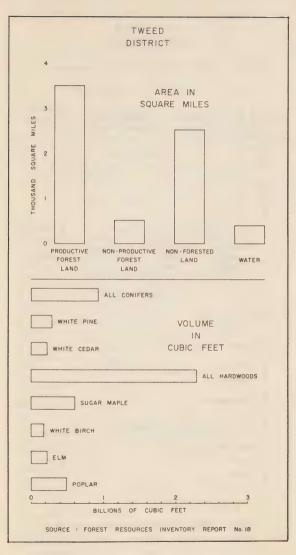


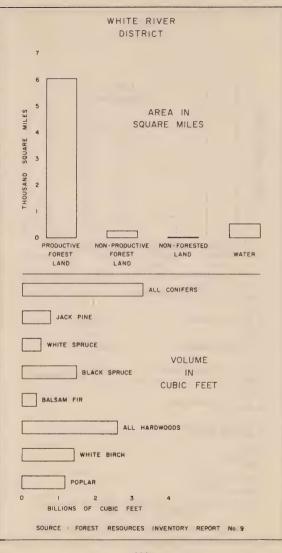












COMMITTEES

Committees Assisted by Head Office Personnel

CONSERVATION AUTHORITIES BRANCH

Archaelogical and Historic Sites Advisory Board Conservation Council of Ontario---Pollution Com, Fish and Wildlife Com, rep of Ont, Professional Foresters. Historic Sites Advisory Board (Toronto)---Technical Sub-Com

Historic Sites Advisory Board (Toronto)--- Technical Sub-Com Ontario Research Foundation--- Advisory Com, Advisory Com on Fish and Wildlife Research

Ontario Water Resources Commission---Advisory Com on Water and Pollution

Upper Canada Village (Ont.-St. Lawrence) --- Advisory Com

FISH AND WILDLIFE BRANCH

Advisory Com for Lake Erie Fisheries Research

Advisory Com for Lake Huron Fisheries Research

Advisory Com for the Harkness Lab for Fisheries Research

Advisory Com for the Lab of Experimental Limnology

American Fisheries Society---Resolutions Com American Ornithologists' Union---Com on Bird Protection

Association of Midwest Fish and Game Commissioners--

Program Com, Resolutions Com Atlantic Flyway Technical Com

Committee on Nature Reserves

Dominion-Provincial Wildlife Conference--- Administrative

Com for Caribou Preservation

Federal-Provincial Com for Ontario Fisheries Federal-Provincial Com on Forestry Research

Federal-Provincial Advisory Com, Resources Development Agreement

Farm Products Marketing Board (Dept. of Agriculture)

Great Lakes Deer Group

Great Lakes Institute---Douglas Point Project Com,

Limnological Advisory Com

Inter-Department Com on Welfare of Off-Reservation Indians International Association of Game Fish and Conservation

Commissioners---International Relations Com Lake Erie Fish Management Com (State-Provincial)

Lake Ontario Fish Management Com (State-Provincial)

Lake Trout Rehabilitation Com (International Great Lakes Fishery Commission)

Midwest Pheasant Council

Mississippi Flyway Technical Com

Ontario Agricultural College---Joint Com

Ontario-New York Com on Fisheries

Ontario Research Foundation---Advisory Com on Fisheries and Wildlife Research

Ontario-St. Lawrence Developement---Fish and Wildlife Advisory Com

Ontario Waterfowl Research Foundation---Scientific Advisory Com

Ontario Water Resources Commission --- Water and Pollution Advisory Com

Sub-Com on Publication of Farm Ponds (Dept. of Agriculture) University of Toronto Forest Com

FOREST PROTECTION BRANCH

Canada-Ontario Advisory Com on Forest Research Canadian Government Standards Board---Com on Forest Fire Hose

Canadian Institute of Forestry---Forest Fire Com Canadian Standards Association --- Com on Forest

Fire Hose

National Fire Protection Association --- Forests Com National Research Council---Associate Com on Forest

Fire Protection

North American Forestry Commission --- Fire Control Working Group Ontario Forestry Association --- Forest Fire Prevention Com

Ontario Government Com on Pesticides

LANDS AND SURVEYS BRANCH

Canadian Institute of Forestry Canadian Permanent Com on Geographical Names Conservation Council of Ontario---Forestry Com, Pollution Com

International Boundary Commission Lake of the Woods Control Board

Mining and Access Roads Com

Nature Reserves Com

Ontario Forestry Association --- Good Outdoors Manners Com, Resources Rangers Com

Ontario Professional Foresters Association---Ontario Forestry Education Council, Practice and Ethics Com

Ottawa River Engineering Board Planning Board

Private Lands Liaision Com Public Agricultural Lands Com

Water Front Technical Com (under Metropolitan Toronto)

OPERATIONS BRANCH

American Association for Conservation Information (Director) Canadian Public Relations Society --- Programme Com,

Seminars Com on Management

International Rescue and First Aid Association (Director) Sheridan Park --- The Ontario Research Community (Member of Board)

Young Naturalists Club---Editorial Com

PARKS BRANCH

American Institute of Park Executives --- Revenue Sources Com Association of Interpretive Naturalists (Director) Federation of Ontario Naturalists---Young Naturalists Com

National Conference on State Parks
Ontario Parks Integration Board
Ontario Recreation Association---Indian and Recreation Com
Ontario Research Council---Parks Com
Quetico---Superior Joint Advisory Com

PERSONNEL BRANCH

Personnel Council of the Ontario Civil Service---Steering Com (Chairman), Reclassification Program Com

RESEARCH BRANCH

Advisory Com for Lake Erie Fisheries Research Advisory Com for Lake Huron Fisheries Research Advisory Com for the Harkness Lab for Fisheries Research Advisory Com for the Lab of Experimental Limnology

American Fisheries Society

Canada Com on Freshwater Fisheries Research

Department of Forestry---Canada-Ontario Advisory Com on Forest Research, Advisory Com on Forest Entomology and Pathology

Committee for Ornamentals of Ontario (Horticultural Research, Royal Botanical Gardens, Hamilton)

Federal-Provincial Great Lakes Research Com (Dept of Fisheries)

Fur Advisory Meetings

Great Lakes Deer Group

Great Lakes Fishery Commission---Advisory Com, Scientific Advisory Com, Sub-Com on Lake Trout Rehabilitation

Great Lakes Institute (Universtiy of Toronto) Lake Erie Council of Commercial Fishermen

Lake Eric Fish Management Com

Lake Ontario Fisheries Management Com (Ontario, New York) Midwest Wildlife Conference---Upper Great Lakes Fishery Com North American Wildlife Conference

Northeastern Forest Tree Improvement Conference-

Site Evaluation Com Ontario Agricultural College---Com on Correlation of Soil and Site

Ontario Council of Commercial Fishermen

Ontario Research Foundation---Advisory Com on Research in Forestry, Advisory Com on Research in Fish and Wildlife

Ontario Waterfowl Research Foundation---Scientific

Advisory Com Pulp and Paper Research Institute --- Steering Group (R.C. 17)

Sports Fish Com (Lake Ontario) Upper Great Lakes Fishery Com

TIMBER BRANCH

Agricultural Meteorological Association American Society of Photogrammetry---Photo Interpretation Con Canada Com on Forest Tree Breeding Canadian Institute of Forestry---Com on Surveys
Canadian Institute of Surveying---Air Photo Interpretation
Sub-Com on Equipment and Techniques, Air Photo
Interpretation on Forestry and Wildlife
Dominion-Provincial Entomology and Pathology Com
Dominion-Provincial Forest Research Com
Private Lands Liaision Com
Society of American Foresters---Forest Mensuration Group
of the Division of Forest Management
United States Region Nine Nurserymen's Association

Committees Assisted by Field Office Personnel

CHAPLEAU DISTRICT

Canadian Institute of Forestry---Central Ontario Section Canadian Horticultural Society (Director)

COCHRANE DISTRICT

Agricultural Lands Com
District Advisory Com on Recreational Land Use
Planning (Chairman)

FORT FRANCES DISTRICT

Recreational Land Use Planning Com (District)

GERALDTON DISTRICT

Recreational Land Use Planning Com (District)

GOGAMA DISTRICT

Public Agricultural Lands Sub-Com

KAPUSKASING DISTRICT

Advisory Com on Recreational Land Use Planning (Chairman)
Agricultural Land Use Com
Boy Scouts Association---Executive Com
Industrial Develpoement Com
Winter Employment Com

KEMPTVILLE DISTRICT

Eastern Ontario Development Association
Eastern Ontario Soil and Crop Improvement Association--Land Use Com

Land Use Coms of the County Soil and Crop Improvement Associations in Leeds, Grenville, Glengarry, Russell, Stormont, and Prescott Ontario Federation of Agriculture (County units in Leeds and Carleton)

Ontario Forestry Association

Ontario-St. Lawrence Development Commission---Fish and Wildlife Advisory Committee

Reforestation Coms for the County Councils of Leeds and Grenville; Dundas, Stormont and Glengarry; Prescott and Russell; Carleton; and Lanark

Seaway Valley Travel Council

South Nation Conservation Authority---Reforestation Com

KENORA DISTRICT

Agricultural Lands Com (ARDA)
Dryden Conservation Camp---Advisory Com
Recreational Zoning Com

LAKE ERIE DISTRICT

Ausable River Conservation Authority---Forestry Advisory Board

Big Creek Conservation Authority---Forestry Advisory Board

Catfish Creek Conservation Authority---Forestry Advisory Board

Lake Erie Fisheries Research Advisory Com

Middlesex County Forestry Com

Ontario Professional Foresters Association----Resolutions Com (Chairman)

Otter Creek Conservation Authority---Forestry Advisory Board

Rondeau Waterfowl Advisory Com

Upper Thames River Conservation Authority--Forestry Advisory Board

LAKE HURON DISTRICT

Grand Valley Conservation Authority---Forestry Advisor

Saugeen Valley Conservation Authority---Forestry
Advisor

LAKE SIMCOE DISTRICT

Dept of Reform Institutions---Advisory Com to Camp Bendrie and Camp Hillsdale

Essa Township Conservation Com

Metro Toronto and Region Conservation Authority (advisory)

Private Lands Liaison Com

Reforestation Coms for the County Councils of Simcoe, Dufferin and York

York County Council---Conservation Education Sub-Com

LINDSAY DISTRICT

Central Lake Ontario Conservation Authority---Reforestation Advisory Board

Crowe Valley Conservation Authority---Reforestation Advisory Board

Ontario Professional Foresters Association---Private
Land Forestry Com

Otonobee Region Conservation Authority---Reforestation
Advisory Board, Wildlife Advisory Board

Reforestation Coms of Victoria County and of Northumberland and Durham Counties

Victoria County---ARDA Com

NORTH BAY DISTRICT

Recreational Planning Com

PARRY SOUND DISTRICT

Recreational Land Use Planning Com

PEMBROKE DISTRICT

Advisory Com on Recreational Land Use Planning Winter Employment Campaign Com

PORT ARTHUR DISTRICT

Lakehead Campers Association Com Lakehead College of Arts, Science and Technology---Forestry Com

Thunder Bay Fish and Game Association

SIOUX LOOKOUT DISTRICT

Recreational Land Use Planning Com

SUDBURY DISTRICT

Great Lakes Fishery Commission Manitoulin Island Conservation Advisory Com

SWASTIKA DISTRICT

Advisory Com on Recreational Land Use Planning Agricultural Com

TWEED DISTRICT

Joint Commercial and Sports Fish Com for Bay of Quinte

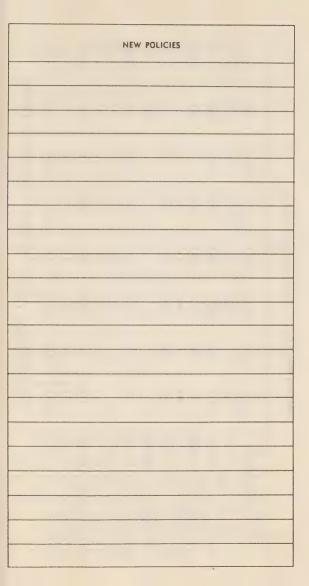
Moira River Conservation Authority---Forestry Advisory Board

Napanee Valley Conservation Authority---Forestry Advisory Board

Renfrew County --- Agriculture and Conservation Com

WHITE RIVER DISTRICT

Recreational Planning Com



AREA AND POPULATION BY PROVINCES populations in 000°s

ProvinceArea in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961
Ontario	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236
Quebec594,860	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259
Nova Scotia 21,068	387	450	492	523	512	577	642	737
New Brunswick 27,985	285	321	351	387	408	457	515	598
P.E. I 2,184	94	109	93	00	888	95	86	105
Newfoundland155,364	•	:	:			•	361	458
Manitoba246,512	25	152	461	610	200	729	776	922
Saskatchewan251,700	:	•	492	757	921	895	831	925
Alberta255,285	•		374	588	731	796	939	1,332
British Columbia366,255	36	86	392	524	694	817	1,165	1,629
Territories **	48	86	115	12	13	16	25	38
CANADA3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238

** Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department establisted to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.
 Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers -17 on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E.J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established.
 Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region). The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management begain in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the safe of trees to private landowners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

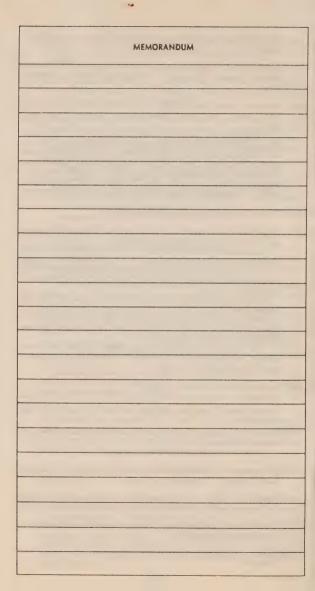
Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised. Silviculture becomes the third Branch in Division of Timber. Land Use Planning Section created in Lands and Surveys.
- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.
- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.
- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.
- 1963 Land Acquisition Section created in Lands and Surveys.











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